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Originally established in 1977 as Taiwan CTI Industrial Corporation, Europtronic Group has grown from a trading company into an integrated manufacturer and distributor of electronic components. With factory operations in Suzhou and Shenzhen which are ISO9001, 14001 and TS16949 certified, we design and manufacture the film capacitors under the “Europtronic” brand and market them via our network of subsidiaries located in the People’s Republic of China, Hong Kong, Taiwan, the United Kingdom and Singapore.

Europtronic represents major, leading manufacturers with production demands for components produced at a cost-effective manner while meeting the highest of quality standards. With years of experience in manufacturing led by an international management team, we are well-positioned to provide comprehensive yet cost-efficient manufacturing solutions to meet the fast-changing industry demands and customer requirements.

Our parent company, Europtronic Group Ltd, is headquartered in Singapore and listed on the Singapore Stock Exchange under the symbol “ETGL”. The Group’s vision is to be a world-class manufacturer and distributor of electronics components with a dedicated focus on quality, creativity and service.



Table of Contents

General Information		
Part Number System (How to order)		3
Technical Term & Calculation Formulae		128
Capacitor Structural Design		131
GLOBAL OFFICES		132
Memo		133
General Purpose Capacitors		
DMPE	Metallized Polyester Film Capacitor	6
MPEM	Miniature Metallized Polyester Film Capacitor	7
MPEB	Metallized Polyester Film Capacitor (Encapsulated)	8
TMPE	Metallized Polyester Film Capacitor (Axial Lead)	9
MPP	Metallized Polypropylene Film Capacitor	10
MPH	Metallized Polypropylene Film Capacitor (High Current Type)	11
MPPB	Metallized Polypropylene Film Capacitor (Encapsulated)	12
TMPP	Metallized Polypropylene Film Capacitor (Axial Lead)	13
MPPS	High Voltage Metallized Polypropylene Film Capacitor	14
PPSB	High Voltage Metallized Polypropylene Film Capacitor (Encapsulated Type)	15
MPLB	Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications (Encapsulated)	16
PFC Circuit Capacitors		
DMPE	Metallized Polyester Film Capacitor (PFC)	18
MPEB	Metallized Polyester Film Capacitor(Encapsulated for PFC)	19
MPH	Metallized Polypropylene Film Capacitor (PFC)	20
MPHT	Metallized Polypropylene Film Capacitor (PFC)	21
MPHB	Metallized Polypropylene Film Capacitor (Encapsulated for PFC)	22
MPHB	Metallized Polypropylene Film Capacitor (Encapsulated for PFC)	23
Interference Suppression Capacitors		
MPX2	Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)	25
Snubber/Switching Application Capacitors		
SLB	Metallized Polypropylene Film Capacitor (Radial Lead)	34
SLE	Metallized Polypropylene Film Capacitor (Lug Terminal)	43
SLW	Metallized Polypropylene Film Capacitor (Axial Lead)	50
SLV	Metallized Polypropylene Film Capacitor (Axial Lead)	55

Table of Contents

DC-Link Application Capacitors		
DPB	Metallized Polypropylene Film Capacitor (Radial Lead)	61
DPK	Metallized Polypropylene Film Capacitor (Plastic Case)	69
DPG	Metallized Polypropylene Film Capacitor (Top Terminal)	71
DPM	Metallized Polypropylene Film Capacitor (Aluminium Can)	74
DPP	Metallized Polypropylene Film Capacitor (Plastic Case)	78
DPS	Metallized Polypropylene Film Capacitor (Stainless Steel Case)	79
High Frequency/Switching Application Capacitors		
FPB	Metallized Polypropylene Film Capacitor (Radial Lead)	81
FPW	Metallized Polypropylene Film Capacitor (Axial Lead)	88
FPV	Metallized Polypropylene Film Capacitor (Axial Lead)	94
AC Application Capacitors		
APB	Metallized Polypropylene Film Capacitor (Radial Lead)	101
APT	Metallized Polypropylene Film Capacitor (Three Phase & Aluminium Can)	105
APM	Metallized Polypropylene Film Capacitor (Aluminium Can)	111
APA	Metallized Polypropylene Film AC Capacitor	119
APR	Metallized Polypropylene Film AC Capacitor	122
APW	Metallized Polypropylene Film Capacitor (Axial Lead)	125
Energy Storage/Discharge Capacitor		
EPS	Metallized Polypropylene Film Capacitor (Axial Lead)	127

Part Number System (How to order)

订购基本规格

■ EXPLANATION OF ARTICLE CODE

D M P E	1 0 5	J	2 E	C	2 0	D	4
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DMPE	MPEM	MPEB	TMPE	MPP	MPH	MPPB	TMPP	MPPS	PPSB	MPLB	MPHT	MPHB
CODE	DMPE	MPEM	MPEB	TMPE	MPP-	MPH-	MPPB	TMPP	MPPS	PPSB	MPLB	MPHT	MPHB

TYPE	MPX2	SLB	SLE	SLW	SLV	DPB	DPK	DPG	DPM	DPP	DPS
CODE	MPX2	SLB-	SLE-	SLW-	SLV-	DPB-	DPK-	DPG-	DPM-	DPP-	DPS-

TYPE	FPB	FPW	FPV	APB	APT	APM	APA	APR	APW	EPS
CODE	FPB-	FPW-	FPV-	APB-	APT-	APM-	APA-	APR-	APW-	EPS-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

102	=	1,000pF	=	1.0nF	=	0.001μF
103	=	10,000pF	=	10nF	=	0.01μF
104	=	100,000pF	=	100nF	=	0.1μF
105	=	1,000,000pF	=	1,000nF	=	1.0μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±1%	±2%	±3%	±5%	±10%	±20%	+80%-20%	+100%-0%
CODE	F	G	H	J	K	M	Z	P

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	4.0V	6.3V	10V	12V	15V	16V	25V	35V	50V	63V	80V	100V	120V	125V	150V	160V	200V	250V	300V
CODE	0G	0J	1A	1M	1N	1C	1E	1V	1H	1J	1K	2A	2M	2B	2N	2C	2D	2E	2F

VOLTAGE	350V	400V	450V	500V	630V	800V	1000V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V	3500V
CODE	2V	2G	2W	2H	2J	2K	3A	3M	3B	3N	3C	3Q	3D	3E	3F	3V

Code for AC Voltage: (expressed in dual digit code)

VOLTAGE	125	180	200	220	230	250	275	280	305	320	350	370
CODE	12	18	20	22	23	25	27	28	30	32	35	37

VOLTAGE	400	440	450	500	600	700	800
CODE	40	44	45	50	60	70	80

Part Number System (How to order)

订购基本规格

5 Lead Configuration (expressed in one letter code)

CODE	L		B		C	D	E	F	G	H	A		V		T	U
LEAD TYPE																

* Code X for unspecified lead configuration.

6 Capacitor Lead Space (expressed in two digits or 1-digit-1-letter code)

Unit: mm

PITCH	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
CODE	03	3P	04	4P	05	5P	06	6P	07	7P	08	8P	09	9P

PITCH	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5		
CODE	10	12	15	17	20	22	25	27	30	32	35	37		

7 Lead Forming Pitch (expressed in one letter code)

Unit: mm

PITCH	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	35.0	37.5	Others	NA
CODE	A	H	B	G	C	N	D	W	E	F	U	V	Z	X	L

* Code L for 5 Codes L, B, A & U.

8 Code for lead length of (L₀) (expressed in one digit or one letter code)

Unit: mm

LEAD LENGTH	3.1	3.5	4.0	4.5	5.0	5.5	7.5	8.0	9.0	Taping	Others	NA
CODE	1	2	3	4	5	6	7	8	9	T	0	L

LEAD LENGTH	3.2	2.2	3.8	6.0	7.0	11.5	12.0	13.0	15.0	22	25	30
CODE	X	A	B	C	D	E	F	G	H	J	K	M

LEAD LENGTH	35	28	40	29	45
CODE	N	P	R	S	T

* Code L for 5 Codes L & A.

General Purpose Capacitors

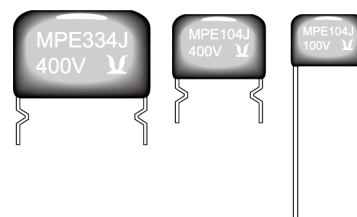
Series	Capacitance	Rated Voltage	Application	Page
DMPE	0.010 μ F ~ 10.0 μ F	100VDC ~ 630VDC	Multipurpose Applications	6
MPEM	0.0010 μ F ~ 1.0 μ F	63VDC ~ 100VDC	Intermediate Circuit Capacitor for SMPS Electronic Ballast Inverter	7
MPEB	0.010 μ F ~ 10.0 μ F	100VDC ~ 630VDC	Multipurpose Applications	8
TMPE	0.010 μ F ~ 10.0 μ F	100VDC ~ 630VDC	Industrial Instruments Automatic Control System Equipments	9
MPP	0.010 μ F ~ 3.3 μ F	100VDC ~ 630VDC	Industrial instrument Telecommunication Data Processing Equipments	10
MPH	0.22 μ F ~ 2.2 μ F	450VDC	High Current Application High Frequency Application	11
MPPB	0.010 μ F ~ 3.3 μ F	100VDC ~ 630VDC	Industrial instrument Telecommunication Data Processing Equipments	12
TMPP	0.039 μ F ~ 10.0 μ F	250VDC ~ 630VDC	Timing circuits Integrating and filtering networks Telecommunication	13
MPPS	0.0010 μ F ~ 0.036 μ F	630VDC ~ 2000VDC	High Frequency Circuits Power Supplies Electronic Lighting Ballast	14
PPSB	0.0010 μ F ~ 0.033 μ F	1000VDC ~ 2000VDC	High Frequency Circuits Power Supplies Electronic Lighting Ballast	15
MPLB	0.010 μ F ~ 1.5 μ F	630VDC ~ 2000VDC	High Frequency Circuits Power Supplies Electronic Lighting Ballast	16

Metallized Polyester Film Capacitor

DMPE

金属化聚酯膜电容器

DMPE are non-inductively wound with metallized polyester film as dielectric and electrode, and epoxy coating. They are suitable for blocking, coupling, decoupling, by-passing, filtering and timing circuits, and are ideal for telecommunication, data processing, industrial instruments, automatic control system equipments, etc .



FEATURES

Self-healing properties

Space-saving small size

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.010μF ~ 10μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 100VDC, 200VDC, 250VDC, 400VDC, 630VDC

Dissipation Factor: 1.0% max. at 1KHZ, 25°C

Insulation Resistance: >9,000 MΩ (C≤0.33μF)

>3,000 MΩ • μF/C (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	100 VDC					200 VDC / 250 VDC					400 VDC					630 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.010	10.5	9.5	5.5	7.5	0.6	10.5	9.5	5.5	7.5	0.6	10.5	9.5	5.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6
0.012	10.5	9.5	5.5	7.5	0.6	10.5	9.5	5.5	7.5	0.6	10.5	9.5	5.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6
0.015	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	11.5	6.5	10.0	0.6
0.018	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	11.5	7.0	10.0	0.6
0.022	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	10.5	6.0	10.0	0.6	13.0	12.5	7.5	10.0	0.6
0.027	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	11.0	6.0	10.0	0.6	13.0	12.5	7.5	10.0	0.6
0.033	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	11.0	6.5	10.0	0.6	13.0	13.0	8.0	10.0	0.6
0.039	10.5	9.5	6.0	7.5	0.6	10.5	9.5	6.0	7.5	0.6	13.0	11.5	7.0	10.0	0.6	13.0	13.5	8.5	10.0	0.6
0.047	10.5	9.5	6.0	7.5	0.6	10.5	10.5	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.5	12.5	7.5	15.0	0.6
0.056	10.5	10.0	6.0	7.5	0.6	10.5	10.5	6.0	7.5	0.6	13.0	12.0	7.5	10.0	0.6	18.5	13.0	8.0	15.0	0.6
0.068	10.5	10.0	6.0	7.5	0.6	10.5	11.5	6.5	7.5	0.6	13.0	12.5	7.5	10.0	0.6	18.5	14.0	8.5	15.0	0.6
0.082	10.5	10.0	6.0	7.5	0.6	10.5	12.5	7.5	7.5	0.6	13.0	13.0	8.0	10.0	0.6	18.5	14.0	9.5	15.0	0.8
0.10	10.5	10.0	6.5	7.5	0.6	13.0	11.5	6.5	10.0	0.6	18.5	12.5	7.5	15.0	0.6	18.5	14.5	10.0	15.0	0.8
0.12	10.5	10.5	6.5	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.5	13.5	7.5	15.0	0.6	18.5	16.0	11.0	15.0	0.8
0.15	10.5	11.5	7.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.5	13.5	8.0	15.0	0.6	24.0	16.5	10.0	20.0	0.8
0.18	10.5	12.5	7.5	7.5	0.6	13.0	13.0	7.0	10.0	0.6	18.5	14.0	8.5	15.0	0.6	24.0	17.5	11.0	20.0	0.8
0.22	13.0	10.5	6.5	10.0	0.6	18.5	12.0	6.5	15.0	0.6	18.5	14.5	9.5	15.0	0.8	24.0	19.0	12.0	20.0	0.8
0.27	13.0	12.0	7.0	10.0	0.6	18.5	12.5	7.0	15.0	0.6	18.5	15.5	10.5	15.0	0.8	24.0	20.0	12.5	20.0	0.8
0.33	13.0	13.0	7.5	10.0	0.6	18.5	13.0	7.5	15.0	0.6	24.0	15.0	9.5	20.0	0.8	24.0	20.5	13.5	20.0	0.8
0.39	13.0	13.5	8.0	10.0	0.6	18.5	13.5	7.5	15.0	0.8	24.0	18.5	11.0	20.0	0.8	24.0	21.5	14.0	20.0	0.8
0.47	13.0	14.5	8.5	10.0	0.6	18.5	14.5	8.0	15.0	0.8	24.0	19.0	11.5	20.0	0.8	32.0	22.5	13.0	27.5	0.8
0.56	18.5	12.5	7.5	15.0	0.6	18.5	15.0	9.0	15.0	0.8	24.0	20.5	12.5	20.0	0.8	32.0	23.5	14.0	27.5	0.8
0.68	18.5	12.5	7.5	15.0	0.6	18.5	16.5	9.5	15.0	0.8	24.0	21.0	13.0	20.0	0.8	32.0	24.5	15.5	27.5	0.8
0.82	18.5	13.0	8.0	15.0	0.8	24.0	15.0	9.0	20.0	0.8	24.0	21.5	13.5	20.0	0.8	32.0	25.0	16.0	27.5	0.8
1.0	18.5	13.0	8.0	15.0	0.8	24.0	16.5	10.0	20.0	0.8	32.0	22.0	13.0	27.5	0.8	32.0	26.0	17.0	27.5	0.8
1.2	18.5	14.0	8.5	15.0	0.8	24.0	17.5	10.5	20.0	0.8	32.0	22.5	13.5	27.5	0.8	42.0	28.0	18.5	37.5	1.0
1.5	18.5	16.0	10.0	15.0	0.8	24.0	18.5	11.5	20.0	0.8	32.0	23.0	14.0	27.5	0.8	42.0	29.0	19.5	37.5	1.0
1.8	24.0	15.0	9.0	20.0	0.8	24.0	20.0	12.0	20.0	0.8	32.0	24.0	15.0	27.5	0.8	42.0	30.0	21.0	37.5	1.0
2.2	24.0	16.5	10.0	20.0	0.8	32.0	19.0	11.0	27.5	0.8	32.0	25.5	16.5	27.5	0.8					
2.7	24.0	18.0	11.0	20.0	0.8	32.0	20.0	12.0	27.5	0.8	32.0	26.0	17.5	27.5	0.8					
3.3	24.0	20.5	12.5	20.0	0.8	32.0	23.5	13.5	27.5	0.8	42.0	28.5	20.5	37.5	1.0					
3.9	24.0	21.5	13.5	20.0	0.8	32.0	24.0	14.0	27.5	0.8	42.0	30.0	22.5	37.5	1.0					
4.7	24.0	22.5	14.5	20.0	0.8	42.0	26.0	14.0	37.5	0.8	42.0	32.0	24.0	37.5	1.0					
5.6	32.0	23.0	14.0	27.5	0.8	42.0	27.0	15.0	37.5	1.0										
6.8	32.0	24.0	15.0	27.5	0.8	42.0	28.0	17.0	37.5	1.0										
8.2	32.0	27.5	16.5	27.5	0.8	42.0	32.0	21.0	37.5	1.0										
10.0	32.0	29.5	19.0	27.5	0.8	42.0	35.0	20.0	37.5	1.0										

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

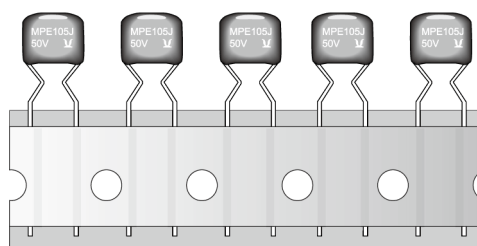
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Miniature Metallized Polyester Film Capacitor

MPEM

小型金属化聚酯膜电容器

MPEM are non-inductively wound with special metallized polyester film as dielectric and electrode, and epoxy resin coating. They are suitable for blocking, coupling, decoupling, by-passing, filtering and timing circuits, and are ideal for telecommunication, data processing, industrial instruments and automatic control system equipments.



FEATURES

Space-saving miniature size

Self-healing properties

Good solderability

Available on tape and reel for automatic insertion

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.0010μF ~ 1.0μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 63VDC, 100VDC

Dissipation Factor: 1.0% max. at 1KHZ, 25°C

Insulation Resistance: >10,000 MΩ (C≤0.33μF)

>3,300 MΩ • μF/C (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

CAP (μF)	R.V.	63 VDC / 100 VDC									
		LEAD SPACE P : 5.0mm					LEAD SPACE P : 7.5mm				
		W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.0010		8.0	8.0	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0015		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0022		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0027		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0033		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0039		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0047		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0056		8.0	8.5	5.5	5.0	0.5	10.5	10.0	6.0	7.5	0.5
0.0068		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.0082		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.010		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.015		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.022		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.027		8.0	8.5	5.5	5.0	0.5	10.5	10.0	6.5	7.5	0.5
0.033		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.039		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.047		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.056		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.068		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.082		8.0	8.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.10		8.0	9.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.12		8.0	9.5	5.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.15		8.5	10.5	6.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.18		8.5	10.5	6.5	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.22		9.0	11.0	7.0	5.0	0.5	10.5	10.0	5.5	7.5	0.5
0.27							10.5	10.0	5.5	7.5	0.5
0.33							10.5	10.0	5.5	7.5	0.5
0.39							10.5	10.0	5.5	7.5	0.5
0.47							10.5	10.0	5.5	7.5	0.5
0.56							10.5	10.0	5.5	7.5	0.5
0.68							10.5	11.0	6.5	7.5	0.5
0.82							10.5	12.0	7.0	7.5	0.5
1.0							10.5	12.0	7.5	7.5	0.5

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

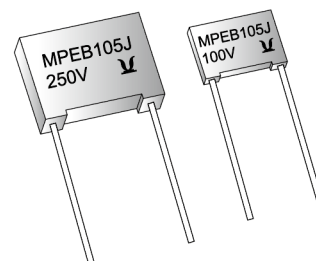
EUROPTRONIC

Metallized Polyester Film Capacitor (Encapsulated)

MPEB

金属化聚酯膜盒装电容器

MPEB are non-inductively wound with metallized polyester film as dielectric and electrode, and encapsulated in plastic cases, and sealed with epoxy resin. They are suitable for all applications as for DMPE type requiring rectangular shape.



FEATURES

Non-inductive construction

Self-healing properties

High density packaging

Good solderability

High moisture resistance

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.010μF ~ 10.0μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 100VDC, 200VDC, 250VDC, 400VDC, 630VDC

Dissipation Factor: 1.0% max. at 1KHZ, 25°C

Insulation Resistance: >9,000 MΩ (C≤0.33μF)

>3,000 MΩ • μF/C (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	100 VDC					200 VDC / 250 VDC					400 VDC					630 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.010											10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6
0.012											10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6
0.015						10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6
0.018						10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6
0.022	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6
0.027	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6
0.033	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	13.0	7.0	10.0	0.6
0.039	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	13.0	14.0	8.0	10.0	0.6
0.047	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	13.0	16.0	8.0	10.0	0.6
0.056	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6
0.068	10.0	10.0	5.0	7.5	0.6	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.6
0.082	10.0	10.0	5.0	7.5	0.6	10.0	11.0	5.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.6
0.10	10.0	10.0	5.0	7.5	0.6	10.0	11.0	5.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8
0.12	10.0	10.0	5.0	7.5	0.6	10.0	11.0	5.0	7.5	0.6	18.0	11.0	5.0	15.0	0.6	18.0	14.5	8.5	15.0	0.8
0.15	10.0	10.0	5.0	7.5	0.6	10.0	12.0	6.0	7.5	0.6	18.0	11.0	5.0	15.0	0.6	18.0	14.5	8.5	15.0	0.8
0.18	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.50	10.0	0.6	18.0	12.0	6.0	15.0	0.6	18.0	16.0	10.0	15.0	0.8
0.22	10.0	10.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	18.0	10.0	15.0	0.8
0.27	10.0	11.0	5.0	7.5	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.0	16.0	7.0	22.5	0.8
0.33	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	14.5	8.5	15.0	0.8	26.0	17.0	8.5	22.5	0.8
0.39	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	15.0	9.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.47	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.6	18.0	17.5	8.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.56	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.6	26.0	16.5	7.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8
0.68	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.0	17.0	8.5	22.5	0.8	26.0	21.5	12.0	22.5	0.8
0.82	13.0	12.0	6.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8
1.0	13.0	13.0	7.0	10.0	0.6	18.0	14.5	8.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8
1.2	18.0	12.0	6.0	15.0	0.6	18.0	15.0	9.0	15.0	0.8	26.0	20.0	11.0	22.5	0.8	31.0	25.0	14.0	27.5	0.8
1.5	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	31.0	20.0	11.0	27.5	0.8	31.0	26.0	18.0	27.5	0.8
1.8	18.0	13.5	7.5	20.0	0.8	26.0	16.5	7.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8	31.0	31.0	22.0	27.5	0.8
2.2	18.0	14.0	8.0	20.0	0.8	26.0	17.0	8.5	22.5	0.8	31.0	24.0	14.0	27.5	0.8	31.0	31.0	22.0	27.5	0.8
2.7	18.0	15.0	9.0	20.0	0.8	26.0	19.0	10.0	22.5	0.8										
3.3	18.0	16.0	10.0	20.0	0.8	26.0	19.0	10.0	22.5	0.8										
3.9	26.0	16.5	7.0	20.0	0.8	26.0	20.0	11.0	22.5	0.8										
4.7	26.0	17.0	8.5	20.0	0.8	26.0	23.0	12.0	22.5	0.8										
5.6	26.0	19.0	10.0	27.5	0.8	31.0	22.0	13.0	27.5	0.8										
6.8	26.0	19.0	10.0	27.5	0.8	31.0	24.0	14.0	27.5	0.8										
8.2	26.0	20.0	11.0	27.5	0.8	31.0	25.0	14.0	27.5	0.8										
10.0	26.0	23.0	12.0	27.5	0.8	31.0	26.0	18.0	27.5	0.8										

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

 EUROPTRONIC

Metallized Polyester Film Capacitor (Axial Lead)

TMPE

金属化聚酯膜电容器(轴向导线型)

TMPE are non-inductively wound with metallized polyester film as dielectric and electrode, outer wrapt by polyester film tape and ends sealed by epoxy resin. They are suitable for coupling, decoupling, by-passing, filtering and timing circuits, and are ideal for telecommunication, data processing, industrial instruments, automatic control system equipments, etc.

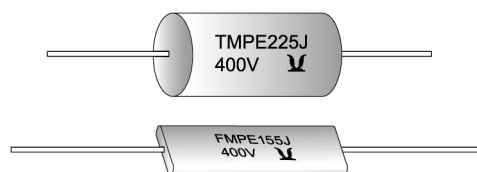
FEATURES

Self-healing properties

Miniature size and light weight

High reliability and excellent long-term stability

Flame retardant epoxy resin coating



SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.010μF ~ 10.0μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 100VDC, 200VDC, 250VDC, 400VDC, 630VDC

Dissipation Factor: 1.0% max. at 1KHZ, 25°C

Insulation Resistance: >9,000 MΩ (C≤0.33μF)
>3,000 MΩ • μF/C (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	100 VDC			200 VDC / 250 VDC			400 VDC			630 VDC		
	L max.	OD max.	d(φ) ±0.05	L max.	OD max.	d(φ) ±0.05	L max.	OD max.	d(φ) ±0.05	L max.	OD max.	d(φ) ±0.05
0.010	13.0	5.5	0.6	13.0	5.5	0.6	13.0	5.5	0.6	15.0	6.0	0.6
0.012	13.0	5.5	0.6	13.0	5.5	0.6	13.0	5.5	0.6	15.0	6.0	0.6
0.015	13.0	5.5	0.6	13.0	5.5	0.6	15.0	6.0	0.6	15.0	6.5	0.6
0.018	13.0	5.5	0.6	13.0	5.5	0.6	15.0	6.0	0.6	15.0	7.0	0.6
0.022	13.0	6.0	0.6	13.0	6.0	0.6	15.0	6.5	0.6	15.0	7.5	0.6
0.027	13.0	6.0	0.6	13.0	6.0	0.6	15.0	6.5	0.6	15.0	8.0	0.6
0.033	13.0	6.0	0.6	13.0	6.0	0.6	15.0	7.0	0.6	20.0	8.5	0.6
0.039	13.0	6.0	0.6	13.0	6.0	0.6	15.0	7.0	0.6	20.0	8.5	0.6
0.047	13.0	6.0	0.6	13.0	6.0	0.6	15.0	7.5	0.6	20.0	9.0	0.6
0.056	13.0	6.5	0.6	13.0	6.5	0.6	15.0	7.5	0.6	20.0	9.0	0.6
0.068	13.0	6.5	0.6	13.0	6.5	0.6	20.0	7.5	0.6	20.0	10.0	0.8
0.082	13.0	6.5	0.6	13.0	6.5	0.6	20.0	8.0	0.6	20.0	11.0	0.8
0.10	15.0	5.5	0.6	15.0	6.0	0.6	20.0	8.5	0.6	27.0	9.5	0.8
0.12	15.0	5.5	0.6	15.0	6.5	0.6	20.0	9.0	0.6	27.0	10.0	0.8
0.15	15.0	6.0	0.6	15.0	7.5	0.6	20.0	9.5	0.8	27.0	11.0	0.8
0.18	15.0	6.0	0.6	15.0	8.5	0.6	20.0	10.0	0.8	27.0	11.5	0.8
0.22	15.0	6.5	0.6	20.0	8.0	0.6	27.0	9.0	0.8	27.0	12.0	0.8
0.27	15.0	6.5	0.6	20.0	8.5	0.6	27.0	9.5	0.8	27.0	13.0	0.8
0.33	15.0	7.0	0.6	20.0	9.0	0.8	27.0	10.5	0.8	33.0	14.0	0.8
0.39	15.0	7.0	0.6	20.0	9.5	0.8	27.0	11.5	0.8	33.0	14.5	0.8
0.47	20.0	7.5	0.6	20.0	10.0	0.8	27.0	12.5	0.8	33.0	15.0	0.8
0.56	20.0	8.0	0.6	20.0	10.5	0.8	27.0	13.5	0.8	33.0	16.5	0.8
0.68	20.0	8.5	0.8	27.0	10.0	0.8	33.0	12.0	0.8	33.0	17.5	0.8
0.82	20.0	9.5	0.8	27.0	10.5	0.8	33.0	13.0	0.8	33.0	19.0	0.8
1.0	20.0	10.0	0.8	27.0	11.0	0.8	33.0	14.0	0.8	37.0	21.0	0.8
1.2	20.0	11.0	0.8	27.0	11.5	0.8	33.0	15.0	0.8	37.0	23.0	0.8
1.5	27.0	12.0	0.8	27.0	12.0	0.8	33.0	17.0	0.8	37.0	25.0	0.8
1.8	27.0	12.5	0.8	27.0	12.5	0.8	33.0	18.0	0.8	37.0	26.0	0.8
2.2	27.0	13.0	0.8	33.0	14.0	0.8	37.0	20.0	0.8	37.0	28.0	0.8
2.7	27.0	14.0	0.8	33.0	14.5	0.8	37.0	23.0	0.8	37.0	30.0	0.8
3.3	27.0	14.5	0.8	33.0	15.5	0.8	37.0	26.0	0.8	43.0	27.0	0.8
3.9	27.0	16.0	0.8	33.0	16.0	0.8	37.0	27.0	0.8	43.0	28.0	0.8
4.7	33.0	15.0	0.8	37.0	17.0	0.8	37.0	28.0	0.8			
5.6	33.0	16.0	0.8	37.0	20.0	0.8	43.0	30.0	0.8			
6.8	33.0	17.0	0.8	37.0	22.0	0.8	43.0	32.0	0.8			
8.2	33.0	18.5	0.8	37.0	24.0	0.8						
10.0	33.0	20.0	0.8	43.0	25.0	0.8						

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

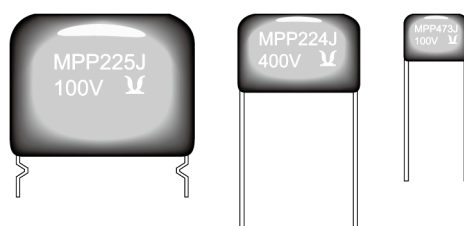
 **EUROPTRONIC**

Metallized Polypropylene Film Capacitor

MPP

金属化聚丙烯膜电容器

MPP are non-inductively wound with metallized polypropylene film as dielectric and electrode, and epoxy resin coating. They are suitable for filtering, by-passing, coupling, decoupling, timing, tuning and temperature compensation for applications in industrial instrument, telecommunication and data processing equipments.



FEATURES

- Low dissipation factor
- High insulation resistance
- High stability of capacitance and dissipation factor
- Versus temperature and frequency
- Self-healing properties

SPECIFICATIONS

- Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Capacitance Range: $0.010\mu\text{F} \sim 3.3\mu\text{F}$
- Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$
- Rated Voltage: 100VDC, 200 VDC, 250VDC, 400VDC, 630VDC
- Dissipation Factor: 0.1% max. at 1KHZ, 25°C
- Insulation Resistance: $>30,000 \text{ M}\Omega$ ($C \leq 0.33\mu\text{F}$)
 $>10,000 \text{ M}\Omega \cdot \mu\text{F/C}$ ($C > 0.33\mu\text{F}$)
- Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	100 VDC					200 VDC / 250 VDC					400 VDC					630 VDC				
	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.010											13.0	9.5	5.5	10.0	0.6	13.0	10.0	6.0	10.0	0.6
0.012											13.0	9.5	5.5	10.0	0.6	13.0	10.0	6.0	10.0	0.6
0.015						13.0	9.5	5.5	10.0	0.6	13.0	11.5	6.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6
0.018						13.0	9.5	5.5	10.0	0.6	13.0	11.5	6.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6
0.022	13.0	9.5	5.5	10.0	0.6	13.0	9.5	5.5	10.0	0.6	13.0	11.5	6.5	10.0	0.6	13.0	11.5	6.0	10.0	0.6
0.027	13.0	9.5	5.5	10.0	0.6	13.0	9.5	5.5	10.0	0.6	13.0	11.5	6.5	10.0	0.6	13.0	11.5	6.5	10.0	0.6
0.033	13.0	9.5	5.5	10.0	0.6	13.0	10.5	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	12.0	7.0	10.0	0.6
0.039	13.0	9.5	5.5	10.0	0.6	13.0	10.5	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	12.5	7.5	10.0	0.6
0.047	13.0	9.5	5.5	10.0	0.6	13.0	11.5	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	13.0	8.0	10.0	0.6
0.056	13.0	10.0	6.0	10.0	0.6	13.0	11.5	6.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	13.0	14.5	9.5	10.0	0.6
0.068	13.0	10.0	6.0	10.0	0.6	13.0	11.5	6.5	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.5	12.5	7.5	15.0	0.6
0.082	13.0	11.0	6.0	10.0	0.6	13.0	11.5	6.5	10.0	0.6	13.0	13.5	7.5	10.0	0.6	18.5	13.5	7.5	15.0	0.6
0.10	13.0	11.0	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	14.0	8.5	10.0	0.6	18.5	14.0	8.0	15.0	0.8
0.12	13.0	12.0	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	16.0	9.5	10.0	0.6	18.5	16.0	8.5	15.0	0.8
0.15	13.0	12.0	6.0	10.0	0.6	13.0	12.5	7.0	10.0	0.6	18.5	12.5	7.5	15.0	0.6	18.5	16.5	9.0	15.0	0.8
0.18	13.0	12.0	6.5	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.5	13.5	8.5	15.0	0.6	18.5	17.5	10.0	15.0	0.8
0.22	13.0	12.0	6.5	10.0	0.6	13.0	13.5	7.5	10.0	0.6	18.5	15.0	8.5	15.0	0.8	18.5	18.5	12.0	15.0	0.8
0.27	13.0	13.0	7.0	10.0	0.6	18.5	13.5	6.5	15.0	0.6	18.5	16.0	8.5	15.0	0.8	24.0	18.5	9.5	20.0	0.8
0.33	13.0	13.5	7.5	10.0	0.6	18.5	14.0	7.0	15.0	0.6	18.5	17.5	9.5	15.0	0.8	24.0	19.5	11.5	20.0	0.8
0.39	13.0	14.0	8.0	10.0	0.6	18.5	14.5	7.5	15.0	0.8	18.5	18.5	11.0	15.0	0.8	24.0	20.5	12.5	20.0	0.8
0.47	18.5	13.0	7.0	15.0	0.6	18.5	15.5	8.0	15.0	0.8	24.0	17.5	9.5	20.0	0.8	24.0	21.5	14.0	20.0	0.8
0.56	18.5	14.0	7.5	15.0	0.8	18.5	16.5	8.5	15.0	0.8	24.0	18.5	11.0	20.0	0.8	31.0	20.0	12.5	27.5	0.8
0.68	18.5	15.0	8.0	15.0	0.8	18.5	17.5	9.5	15.0	0.8	24.0	19.5	11.5	20.0	0.8	31.0	22.0	13.5	27.5	0.8
0.82	18.5	16.0	8.5	15.0	0.8	18.5	19.0	10.0	15.0	0.8	24.0	21.0	13.0	20.0	0.8	31.0	24.0	15.0	27.5	0.8
1.0	18.5	17.0	9.0	15.0	0.8	18.5	20.0	11.0	15.0	0.8	31.0	20.0	11.5	27.5	0.8	31.0	26.0	16.5	27.5	0.8
1.2	18.5	18.0	10.0	15.0	0.8	24.0	17.0	9.0	20.0	0.8	31.0	21.5	12.5	27.5	0.8					
1.5	18.5	19.0	11.5	15.0	0.8	24.0	18.0	10.0	20.0	0.8	31.0	22.5	14.5	27.5	0.8					
1.8	24.0	16.0	10.0	20.0	0.8	24.0	19.0	11.5	20.0	0.8	31.0	24.0	15.5	27.5	0.8					
2.2	24.0	17.0	11.0	20.0	0.8	24.0	20.5	12.5	20.0	0.8										
2.7	24.0	18.5	12.0	20.0	0.8	31.0	19.0	11.5	27.5	0.8										
3.3	24.0	20.0	14.0	20.0	0.8	31.0	20.5	12.5	27.5	0.8										

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

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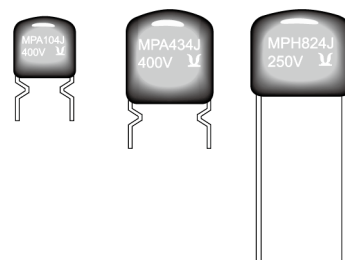
EUROPTRONIC

Metallized Polypropylene Film Capacitor (High Current Type)

MPH

金属化聚丙烯膜电容器(耐大电流型)

MPH are non-inductively wound with metallized polypropylene film as dielectric and electrode, and epoxy resin coating. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for s-correction of color monitor circuit.



FEATURES

Low dissipation factor

High insulation resistance

High stability of capacitance and dissipation factor

Versus temperature and frequency

Self-healing properties

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance Range: $0.22\mu\text{F} \sim 2.2\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: 450VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: $>30,000 \text{ M}\Omega$ ($\text{C} \leq 0.33\mu\text{F}$)

$>10,000 \text{ M}\Omega \cdot \mu\text{F/C}$ ($\text{C} > 0.33\mu\text{F}$)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC				
	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.22	12.5	10.5	5.0	10.0	0.6
0.27	12.5	11.5	5.5	10.0	0.6
0.33	12.5	12.5	5.5	10.0	0.6
0.39	12.5	14.5	5.5	10.0	0.6
0.47	12.5	15.5	5.5	10.0	0.6
0.56	12.5	16.0	6.5	10.0	0.6
0.68	12.5	16.5	7.0	10.0	0.6
0.82	12.5	17.5	7.5	10.0	0.6
1.0	12.5	18.0	8.0	10.0	0.8
0.22	17.8	10.5	5.0	15.0	0.6
0.27	17.8	11.0	5.5	15.0	0.6
0.33	17.8	11.0	5.5	15.0	0.6
0.39	17.8	11.0	5.5	15.0	0.6
0.47	17.8	11.0	5.5	15.0	0.6
0.56	17.8	13.0	5.5	15.0	0.6
0.68	17.8	14.0	5.5	15.0	0.6
0.82	17.8	14.5	6.0	15.0	0.6
1.0	17.8	15.0	7.0	15.0	0.8
1.5	17.8	18.0	7.5	15.0	0.8
2.2	17.8	19.0	10.0	15.0	0.8

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC				
	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.22	12.5	10.0	5.5	10.0	0.6
0.27	12.5	10.5	6.0	10.0	0.6
0.33	12.5	11.5	6.0	10.0	0.6
0.39	12.5	12.0	6.5	10.0	0.6
0.47	12.5	12.5	7.0	10.0	0.6
0.56	12.5	13.0	7.5	10.0	0.6
0.68	12.5	13.5	8.5	10.0	0.6
0.82	12.5	15.0	9.0	10.0	0.6
1.0	12.5	15.5	10.0	10.0	0.8
0.22	17.8	10.0	5.5	15.0	0.6
0.27	17.8	10.0	5.5	15.0	0.6
0.33	17.8	10.5	6.0	15.0	0.6
0.39	17.8	11.0	6.5	15.0	0.6
0.47	17.8	10.5	6.0	15.0	0.6
0.56	17.8	10.5	6.0	15.0	0.6
0.68	17.8	11.0	6.5	15.0	0.6
0.82	17.8	12.0	7.0	15.0	0.6
1.0	17.8	12.5	8.0	15.0	0.8
1.5	17.8	14.0	9.5	15.0	0.8
2.2	17.8	16.5	11.5	15.0	0.8

* Also available in encapsulated type (box type) as MPH8, and axial types as TMPH & FMPH

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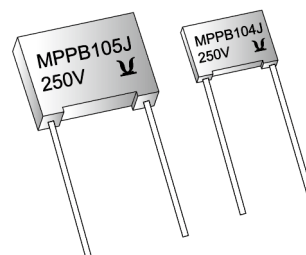
 **EUROPTRONIC**

Metallized Polypropylene Film Capacitor (Encapsulated)

MPPB

金属化聚丙烯膜盒装电容器

MPPB are non-inductively wound with metallized polypropylene film as dielectric and electrode, and encapsulated in plastic cases, and sealed with epoxy resin. They are suitable for all applications as for MPP type requiring rectangular shape.



FEATURES

High reliability at high current stress

Self-healing properties

Flame retardant plastic case and epoxy resin

Low losses, high dv/dt capability

High moisture resistance

High stability of capacitance and long life

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.010μF ~ 3.3μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 100VDC, 200VDC, 250VDC, 400VDC, 630VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: >30,000 MΩ (C≤0.33μF)
>10,000 MΩ • μF/C (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	100 VDC					200 VDC / 250 VDC					400 VDC					630 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.010											13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.012											13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.015						13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.018						13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.022	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.027	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6
0.033	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6
0.039	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6
0.047	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	14.0	8.0	10.0	0.6
0.056	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	13.0	14.0	8.0	13.0	0.6
0.068	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.0	13.0	7.0	15.0	0.8
0.082	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8
0.10	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	14.0	8.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8
0.12	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.6	18.0	14.5	8.0	15.0	0.8
0.15	13.0	11.0	5.0	10.0	0.6	10.0	12.0	6.0	10.0	0.6	18.0	13.0	7.0	15.0	0.8	18.0	16.0	8.0	15.0	0.8
0.18	13.0	11.0	5.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8
0.22	13.0	11.0	5.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	18.0	10.0	15.0	0.8
0.27	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.6	18.0	16.0	9.0	15.0	0.8	18.0	19.0	11.0	22.5	0.8
0.33	13.0	13.0	7.0	10.0	0.6	18.0	13.0	7.0	15.0	0.8	18.0	18.0	11.0	15.0	0.8	26.0	18.0	9.0	22.5	0.8
0.39	13.0	13.0	7.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	17.5	8.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.47	13.0	14.0	8.0	10.0	0.6	18.0	14.5	8.0	15.0	0.8	18.0	18.0	9.0	15.0	0.8	26.0	22.5	12.0	22.5	0.8
0.56	18.0	13.0	7.0	15.0	0.8	18.0	16.0	9.0	15.0	0.8	26.0	17.5	8.5	22.5	0.8	26.0	23.0	14.5	22.5	0.8
0.68	18.0	14.5	8.0	15.0	0.8	18.0	18.0	10.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8	26.0	25.0	15.0	22.5	0.8
0.82	18.0	16.0	9.0	15.0	0.8	18.0	19.0	10.0	15.0	0.8	26.0	20.0	11.0	22.5	0.8	26.0	25.5	16.5	22.5	0.8
1.0	18.0	16.0	10.0	15.0	0.8	18.0	19.0	11.0	15.0	0.8	26.0	22.5	12.5	22.5	0.8					
1.2	18.0	18.0	10.0	15.0	0.8	18.0	18.0	9.0	15.0	0.8	26.0	24.0	14.0	22.5	0.8					
1.5	18.0	19.0	11.0	15.0	0.8	18.0	19.0	10.0	15.0	0.8	26.0	25.0	15.0	22.5	0.8					
1.8	26.0	18.0	9.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8										
2.2	26.0	19.0	10.0	22.5	0.8	26.0	22.0	12.5	22.5	0.8										
2.7	26.0	20.0	11.0	22.5	0.8	26.0	24.0	14.0	22.5	0.8										
3.3	26.0	25.0	15.0	22.5	0.8	26.0	25.0	15.0	22.5	0.8										

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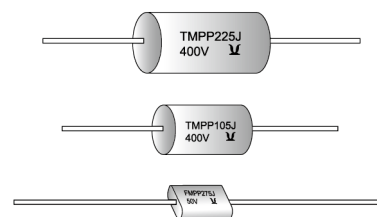
EUROPTRONIC

Metallized Polypropylene Film Capacitor (Axial Lead)

TMPP

金属化聚丙烯膜电容器(轴向导线型)

TMPP are non-inductively wound with metallized polypropylene film as dielectric and electrode, outer wrapt by polyester film tape and end sealed by epoxy resin. They are suitable for timing circuits, integrating and filtering networks and find applications primarily in telecommunication equipments.



FEATURES

Low dissipation factor and excellent for high frequency applications

Self-healing properties

High reliability and excellent long term stability

Flame retardant epoxy resin coating

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.039μF ~ 10.0μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 250VDC, 400VDC, 630VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: >30,000 MΩ (C≤0.33μF)

>10,000 MΩ • μF/C (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	250 VDC			400 VDC			630 VDC		
	L max.	OD max.	d(φ) ±0.05	L max.	OD max.	d(φ) ±0.05	L max.	OD max.	d(φ) ±0.05
0.039	15.0	6.5	0.6	15.0	9.0	0.6	20.0	9.0	0.6
0.047	15.0	6.5	0.6	15.0	9.5	0.6	20.0	10.5	0.6
0.056	15.0	7.0	0.6	15.0	10.0	0.6	20.0	11.0	0.6
0.068	15.0	7.5	0.6	15.0	10.5	0.6	20.0	11.5	0.6
0.082	15.0	7.5	0.6	15.0	11.0	0.6	20.0	12.0	0.6
0.10	15.0	8.0	0.6	20.0	8.5	0.6	25.0	10.5	0.8
0.12	15.0	8.0	0.6	20.0	9.0	0.6	25.0	12.0	0.8
0.15	15.0	8.5	0.6	20.0	9.5	0.6	25.0	13.5	0.8
0.18	15.0	9.0	0.6	20.0	10.0	0.6	25.0	14.0	0.8
0.22	20.0	8.0	0.6	25.0	11.0	0.8	25.0	15.0	0.8
0.27	20.0	8.5	0.6	25.0	12.0	0.8	33.0	14.0	0.8
0.33	20.0	9.0	0.6	25.0	13.0	0.8	33.0	15.5	0.8
0.39	20.0	10.0	0.6	25.0	14.5	0.8	33.0	16.0	0.8
0.47	20.0	11.0	0.6	33.0	12.0	0.8	33.0	17.5	0.8
0.56	25.0	9.5	0.8	33.0	13.5	0.8	33.0	18.5	0.8
0.68	25.0	10.0	0.8	33.0	14.5	0.8	33.0	20.0	0.8
0.82	25.0	11.0	0.8	33.0	15.0	0.8	33.0	21.0	0.8
1.0	25.0	12.0	0.8	33.0	16.0	0.8	44.0	20.0	0.8
1.2	25.0	13.0	0.8	33.0	17.0	0.8	44.0	22.0	0.8
1.5	25.0	14.0	0.8	33.0	18.5	0.8	44.0	24.0	0.8
1.8	25.0	15.0	0.8	33.0	20.5	0.8	44.0	26.0	0.8
2.2	33.0	14.0	0.8	44.0	18.0	0.8	44.0	27.0	0.8
2.7	33.0	15.0	0.8	44.0	20.0	0.8			
3.3	33.0	16.5	0.8	44.0	22.0	0.8			
3.9	33.0	18.0	0.8	44.0	23.5	0.8			
4.7	44.0	17.0	0.8	44.0	26.0	0.8			
6.8	44.0	20.0	0.8						
8.2	44.0	23.0	0.8						
10.0	44.0	25.0	0.8						

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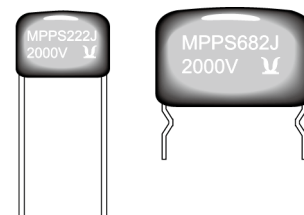
EUROPTRONIC

High Voltage Metallized Polypropylene Film Capacitor

MPPS

高压金属化聚丙烯膜电容器

MPPS are non-inductively wound with metallized polypropylene film in series with aluminum foil, polypropylene film, and epoxy resin coating. They are ideal for high frequency and high pulse-rise-time circuits, and find wide applications in high voltage power supplies, snubbers and electronic lighting ballasts.



FEATURES

High corona starting voltage

Space-saving small size

Series electrode construction

Self-healing properties

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.0010μF ~ 0.036μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 630VDC, 800VDC, 1000VDC, 1250VDC, 1600VDC, 2000VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: >50,000 MΩ

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	630 VDC / 800 VDC					1000 VDC / 1250 VDC					1600 VDC					2000 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.0010	19.0	12.0	6.0	15.0	0.8	19.0	12.0	6.0	15.0	0.8	19.0	14.5	9.0	15.0	0.8	19.0	15.0	9.5	15.0	0.8
0.0012	19.0	12.0	6.0	15.0	0.8	19.0	12.0	6.0	15.0	0.8	19.0	15.0	9.0	15.0	0.8	19.0	15.5	10.0	15.0	0.8
0.0015	19.0	12.0	6.0	15.0	0.8	19.0	12.0	6.0	15.0	0.8	19.0	15.5	9.5	15.0	0.8	19.0	16.5	10.5	15.0	0.8
0.0018	19.0	12.0	6.0	15.0	0.8	19.0	12.0	6.0	15.0	0.8	19.0	16.5	10.0	15.0	0.8	19.0	17.0	11.0	15.0	0.8
0.0022	19.0	12.0	6.0	15.0	0.8	19.0	12.0	6.0	15.0	0.8	19.0	16.5	11.0	15.0	0.8	19.0	17.5	11.5	15.0	0.8
0.0027	19.0	12.5	7.0	15.0	0.8	19.0	12.5	7.0	15.0	0.8	19.0	17.0	11.5	15.0	0.8	19.0	18.0	12.0	15.0	0.8
0.0033	19.0	13.0	7.0	15.0	0.8	19.0	13.0	7.0	15.0	0.8	19.0	18.0	12.5	15.0	0.8	19.0	19.0	12.5	15.0	0.8
0.0036	19.0	13.5	7.5	15.0	0.8	19.0	13.5	7.5	15.0	0.8	24.0	16.5	10.5	20.0	0.8	24.0	17.0	12.5	20.0	0.8
0.0039	19.0	14.0	7.5	15.0	0.8	19.0	14.0	7.5	15.0	0.8	24.0	17.5	10.5	20.0	0.8	24.0	17.5	13.0	20.0	0.8
0.0043	19.0	14.0	8.0	15.0	0.8	19.0	14.0	8.0	15.0	0.8	24.0	18.0	11.0	20.0	0.8	24.0	18.0	13.0	20.0	0.8
0.0047	19.0	14.5	8.0	15.0	0.8	19.0	14.5	8.0	15.0	0.8	24.0	18.0	11.5	20.0	0.8	24.0	18.5	13.5	20.0	0.8
0.0051	19.0	14.5	9.0	15.0	0.8	19.0	14.5	9.0	15.0	0.8	24.0	18.5	11.5	20.0	0.8	24.0	19.0	13.5	20.0	0.8
0.0056	19.0	14.5	9.0	15.0	0.8	19.0	14.5	9.0	15.0	0.8	26.5	18.0	11.0	22.5	0.8	26.5	18.0	12.5	22.5	0.8
0.0060	19.0	16.5	10.0	15.0	0.8	19.0	16.5	10.0	15.0	0.8	26.5	19.0	11.5	22.5	0.8	26.5	20.0	13.0	22.5	0.8
0.0062	19.0	16.5	10.5	15.0	0.8	19.0	16.5	10.5	15.0	0.8	26.5	19.5	11.5	22.5	0.8	26.5	20.5	13.0	22.5	0.8
0.0068	19.0	17.0	10.0	15.0	0.8	19.0	17.0	10.0	15.0	0.8	26.5	20.0	12.0	22.5	0.8	26.5	21.0	13.5	22.5	0.8
0.0075	19.0	17.5	10.5	15.0	0.8	19.0	17.5	10.5	15.0	0.8	26.5	21.0	12.5	22.5	0.8	26.5	21.0	13.5	22.5	0.8
0.0082	19.0	18.0	10.5	15.0	0.8	19.0	18.0	10.5	15.0	0.8	26.5	22.0	13.0	22.5	0.8	26.5	21.5	14.0	22.5	0.8
0.0091	19.0	18.5	11.0	15.0	0.8	19.0	18.5	11.0	15.0	0.8	26.5	23.0	15.5	22.5	0.8	26.5	22.0	14.0	22.5	0.8
0.010	19.0	18.5	11.5	15.0	0.8	24.0	16.0	9.0	20.0	0.8	26.5	19.0	11.0	22.5	0.8	26.5	22.5	14.5	22.5	0.8
0.012	19.0	19.0	12.0	15.0	0.8	24.0	16.5	9.5	20.0	0.8	26.5	20.0	12.0	22.5	0.8	26.5	23.0	15.0	22.5	0.8
0.015	19.0	17.5	11.0	15.0	0.8	24.0	17.0	10.0	20.0	0.8	26.5	21.0	13.0	22.5	0.8	26.5	23.0	15.5	22.5	0.8
0.018	19.0	18.0	11.5	15.0	0.8	24.0	18.0	10.0	20.0	0.8	26.5	23.0	16.0	22.5	0.8	26.5	24.0	16.0	22.5	0.8
0.022	19.0	20.5	12.5	15.0	0.8	24.0	18.5	10.5	20.0	0.8	26.5	25.0	17.0	22.5	0.8	32.0	25.0	15.5	27.5	0.8
0.027	19.0	21.5	13.0	15.0	0.8	24.0	19.5	11.5	20.0	0.8	32.0	26.0	19.0	27.5	0.8	32.0	26.0	16.5	27.5	0.8
0.033	24.0	17.0	10.0	20.0	0.8	24.0	20.0	12.5	20.0	0.8	32.0	30.0	20.0	27.5	0.8	32.0	28.0	20.0	27.5	0.8
0.036	24.0	19.0	12.0	20.0	0.8	24.0	22.0	14.0	20.0	0.8										

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* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

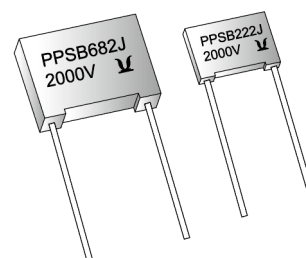
EUROPTRONIC

High Voltage Metallized Polypropylene Film Capacitor (Encapsulated Type)

PPSB

高压金属化聚丙烯膜盒装电容器

PPSB are non-inductively wound with metallized polypropylene film in series with aluminum foil, polypropylene film, and encapsulated in plastic case and sealed with epoxy resin. They are suitable for all applications as for MPPS type requiring rectangular shape.



FEATURES

High corona starting voltage

High current rating and high dv/dt

Series electrode construction

Self-healing properties

Miniature size design

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.0010μF ~ 0.033μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 1000VDC, 1250VDC, 1600VDC, 2000VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: >50,000 MΩ

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	1000 VDC / 1250 VDC					1600 VDC					2000 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.0010	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8
0.0012	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8
0.0015	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8
0.0018	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8
0.0022	18.0	12.0	6.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8
0.0027	18.0	12.0	6.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8
0.0033	18.0	13.5	7.5	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8
0.0036	18.0	13.5	7.5	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	18.0	9.0	15.0	0.8
0.0039	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0043	18.0	14.5	8.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0047	18.0	14.5	8.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0051	18.0	14.5	8.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0056	18.0	14.5	8.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0060	18.0	16.0	10.0	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0062	18.0	18.0	9.0	15.0	0.8	18.0	18.0	9.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0068	18.0	18.0	9.0	15.0	0.8	18.0	18.0	10.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0075	18.0	18.0	10.0	15.0	0.8	18.0	18.0	10.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.0082	18.0	18.0	10.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8	26.0	17.0	8.5	22.5	0.8
0.0091	18.0	19.0	11.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8	26.0	17.0	8.5	22.5	0.8
0.010	26.0	16.5	7.0	22.5	0.8	26.0	16.5	7.0	22.5	0.8	26.0	19.0	10.0	22.5	0.8
0.012	26.0	16.5	7.0	22.5	0.8	26.0	17.0	8.5	22.5	0.8	26.0	19.0	10.0	22.5	0.8
0.015	26.0	17.0	8.5	22.5	0.8	26.0	19.0	10.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8
0.018	26.0	17.0	8.5	22.5	0.8	26.0	19.0	10.0	22.5	0.8	26.0	22.0	13.0	22.5	0.8
0.022	26.0	19.0	10.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8					
0.027	26.0	19.0	10.0	22.5	0.8										
0.033	26.0	20.0	11.0	22.5	0.8										

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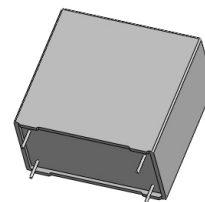
EUROPTRONIC

Polypropylene Capacitor with Double Sided Metallized Film Electrode DC and Pulse Applications (Encapsulated)

MPLB

聚丙烯双面金属化膜高压电容器

MPLB are non-inductively wound with metallized polypropylene film as dielectric, encapsulated in plastic case and sealed with epoxy resin. They are ideal for high frequency and high pulse-rise-time circuit, and find wide applications in high voltage power supplies, snubbers and electronic lighting ballasts.



FEATURES

- High corona starting voltage
- High current rating and high dv/dt
- Series electrode construction
- Self-healing properties

SPECIFICATIONS

- Operating Temperature: -40°C ~ +105°C
- Capacitance Range: 0.010μF ~ 1.5μF
- Capacitance Tolerance: ±5%(J), ±10%(K)
- Rated Voltage: 630VDC, 1000VDC, 1250VDC, 1600VDC, 2000VDC
- Dissipation Factor: 0.1% max. at 1KHZ, 25°C
- Insulation Resistance: >50,000 MΩ
- Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	630 VDC / 1000 VDC					1250 VDC					1600 VDC					2000 VDC				
	W	H	T	P	d(φ)	W	H	T	P	d(φ)	W	H	T	P	d(φ)	W	H	T	P	d(φ)
	+0.5	+0.5	+0.5	±1.0	±0.1	+0.5	+0.5	+0.5	±1.0	±0.1	+0.5	+0.5	+0.5	±1.0	±0.1	+0.5	+0.5	+0.5	±1.0	±0.1
0.010	13.0	11.0	5.0	10.0	0.6															
0.012	13.0	11.0	5.0	10.0	0.6															
0.015	13.0	11.0	5.0	10.0	0.6															
0.018	13.0	11.0	5.0	10.0	0.6															
0.022	13.0	12.0	6.0	10.0	0.6															
0.027	13.0	12.0	6.0	10.0	0.6															
0.010	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8	18.0	16.0	10.0	15.0	0.8
0.012	18.0	11.0	5.0	15.0	0.8	18.0	11.0	5.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8
0.015	18.0	11.0	5.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	19.0	11.0	15.0	0.8
0.018	18.0	11.0	5.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.020	18.0	11.0	5.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8
0.022	18.0	11.0	5.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.0	17.0	8.5	22.5	0.8
0.027	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.030	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	18.0	19.0	11.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.033	18.0	12.0	6.0	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.0	16.5	7.0	22.5	0.8	26.0	19.0	10.0	22.5	0.8
0.039	18.0	13.0	7.0	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.0	17.0	8.5	22.5	0.8	26.0	20.0	11.0	22.5	0.8
0.047	18.0	13.5	7.5	15.0	0.8	18.0	19.0	11.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8	26.0	22.0	13.0	22.5	0.8
0.056	18.0	13.5	7.5	15.0	0.8	26.0	16.5	7.0	22.5	0.8	26.0	19.0	10.0	22.5	0.8	26.0	22.0	13.0	22.5	0.8
0.068	18.0	14.5	8.0	15.0	0.8	26.0	17.0	8.5	22.5	0.8	26.0	20.0	11.0	22.5	0.8	31.0	20.0	11.0	27.5	0.8
0.082	18.0	14.5	8.5	15.0	0.8	26.0	19.0	10.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8
0.10	18.0	16.0	10.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8	26.0	22.0	13.0	22.5	0.8	31.0	28.0	14.0	27.5	0.8
0.12	26.0	16.5	7.0	22.5	0.8	26.0	20.0	11.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8	31.0	33.0	18.0	27.5	0.8
0.15	26.0	17.0	8.5	22.5	0.8	26.0	22.0	13.0	22.5	0.8	31.0	25.0	16.0	27.5	0.8	31.0	33.0	18.0	27.5	0.8
0.18	26.0	17.0	8.5	22.5	0.8	31.0	22.0	13.0	27.5	0.8	31.0	25.0	16.0	27.5	0.8	31.0	36.0	22.0	27.5	0.8
0.22	26.0	19.0	10.0	22.5	0.8	31.0	22.0	13.0	27.5	0.8	31.0	33.0	18.0	27.5	0.8	31.0	36.0	22.0	27.5	0.8
0.27	26.0	20.0	11.0	22.5	0.8	31.0	25.0	16.0	27.5	0.8	31.0	33.0	18.0	27.5	0.8					
0.33	26.0	22.0	12.0	22.5	0.8	31.0	28.0	14.0	27.5	0.8	31.0	33.0	18.0	27.5	0.8					
0.39	26.0	22.0	13.0	22.5	0.8	31.0	33.0	18.0	27.5	0.8	31.0	36.0	22.0	27.5	0.8					
0.47	31.0	20.0	11.0	27.5	0.8	31.0	33.0	18.0	27.5	0.8	31.0	36.0	22.0	27.5	0.8					
0.56	31.0	22.0	13.0	27.5	0.8	31.0	36.0	22.0	27.5	0.8										
0.68	31.0	25.0	16.0	27.5	0.8	31.0	36.0	22.0	27.5	0.8										
0.82	31.0	28.0	14.0	27.5	0.8															
1.0	31.0	33.0	18.0	27.5	0.8															
1.2	31.0	33.0	18.0	27.5	0.8															
1.5	31.0	36.0	22.0	27.5	0.8															

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PFC Circuit Capacitors

Series	Capacitance	Rated Voltage	Application	Page
DMPE	0.22uF ~ 2.2μF	450VDC	PFC Circuit	18
MPEB	0.22uF ~ 2.2μF	450VDC	PFC Circuit	19
MPH	0.10uF ~ 2.2μF	450VDC ~ 550VDC	PFC Circuit	20
MPHT	0.47uF ~ 2.2μF	450VDC ~ 500VDC	PFC Circuit	21
MPHB	0.10uF ~ 1.5μF	450VDC ~ 500VDC	PFC Circuit	22
MPHB	0.10uF ~ 1.5μF	450VDC	PFC Circuit	23

Metallized Polyester Film Capacitor (PFC)

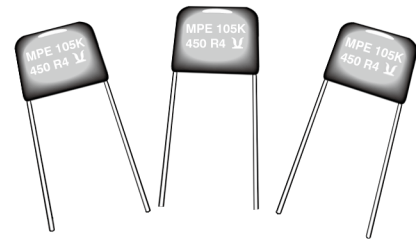
DMPE

功率因数校正

DMPE are non-inductively wound with metallized polyester film as dielectric and electrode, with epoxy coating. They are suitable for applications where high current high frequency and high stability are required, and are ideal for PFC circuit.

FEATURES

High current rating
High temperature
Self-healing properties



SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}(105^{\circ}\text{C})$
Capacitance Range: $0.22\mu\text{F} \sim 2.2\mu\text{F}$
Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$
Rated Voltage: 450VDC
Dissipation Factor: 1.0% max. at 1KHZ, 25°C
Insulation Resistance: $>9,000 \text{ M}\Omega$ ($C \leq 0.33\mu\text{F}$)
 $>3,000 \text{ M}\Omega$ ($C > 0.33\mu\text{F}$)
Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC				
	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.22	12.5	12.5	5.5	10.0	0.6
0.22	17.8	11.5	5.5	15.0	0.6
0.27	12.5	12.5	6.0	10.0	0.6
0.27	17.8	11.5	5.5	15.0	0.6
0.33	12.5	14.5	6.0	10.0	0.6
0.33	17.8	11.5	6.0	15.0	0.6
0.39	12.5	15.0	7.0	10.0	0.6
0.39	17.8	12.0	6.0	15.0	0.6
0.47	12.5	16.0	7.5	10.0	0.6
0.47	17.8	13.0	6.5	15.0	0.6
0.56	12.5	16.5	8.0	10.0	0.6
0.56	17.8	14.5	6.5	15.0	0.8
0.68	12.5	17.5	9.0	10.0	0.6
0.68	17.8	15.5	6.5	15.0	0.8
0.82	12.5	18.5	10.0	10.0	0.6
0.82	17.8	16.0	7.0	15.0	0.8
1.0	12.5	19.5	11.0	10.0	0.8
1.0	17.8	17.0	8.0	15.0	0.8
1.5	17.8	18.5	10.0	15.0	0.8
2.2	17.8	21.5	12.0	15.0	0.8

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC				
	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.22	12.5	10.5	6.0	10.0	0.6
0.22	17.8	10.5	5.5	15.0	0.6
0.27	12.5	11.5	6.5	10.0	0.6
0.27	17.8	10.5	6.0	15.0	0.6
0.33	12.5	12.5	7.0	10.0	0.6
0.33	17.8	11.0	6.5	15.0	0.6
0.39	12.5	13.0	7.5	10.0	0.6
0.39	17.8	11.0	6.5	15.0	0.6
0.47	12.5	14.0	8.5	10.0	0.6
0.47	17.8	11.5	7.0	15.0	0.6
0.56	12.5	14.5	9.0	10.0	0.6
0.56	17.8	12.5	7.0	15.0	0.8
0.68	12.5	15.5	10.0	10.0	0.6
0.68	17.8	12.5	7.5	15.0	0.8
0.82	17.8	13.5	8.5	15.0	0.8
1.0	17.8	14.5	9.0	10.0	0.8
1.5	17.8	16.5	11.0	15.0	0.8
2.2	17.8	18.5	13.5	15.0	0.8

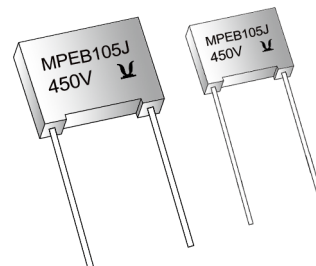
* For enquiry on items not within the above range or with special dimensions, please contact us for availability.
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polyester Film Capacitor (Encapsulated for PFC)

MPEB

MPEB are non-inductively wound with metallized polyester film as dielectric and electrode, with encapsulated in plastic cases, and sealed with epoxy resin. They are suitable for applications where high current high frequency and high stability are required, and are ideal for PFC circuit.

功率因数校正



FEATURES

High current rating

High temperature

Self-healing properties

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +110^{\circ}\text{C}$

Capacitance Range: $0.22\mu\text{F} \sim 2.2\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: 450VDC

Dissipation Factor: 1.0% max. at 1KHZ, 25°C

Insulation Resistance: $>9,000 \text{ M}\Omega$ ($C \leq 0.33\mu\text{F}$)

$>3,000 \text{ M}\Omega$ ($C > 0.33\mu\text{F}$)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

CAP (μF)	R.V. SIZE	450 VDC				
		W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.22		13.0	11.0	5.0	10.0	0.6
0.22		18.0	11.0	5.0	15.0	0.6
0.27		13.0	12.0	6.0	10.0	0.6
0.27		18.0	11.0	5.0	15.0	0.6
0.33		13.0	12.5	6.5	10.0	0.6
0.33		18.0	11.0	5.0	15.0	0.6
0.39		13.0	13.0	7.0	10.0	0.6
0.39		18.0	11.0	5.0	15.0	0.6
0.47		13.0	14.0	8.0	10.0	0.6
0.47		18.0	12.0	6.0	15.0	0.6
0.56		13.0	16.0	8.0	10.0	0.6
0.56		18.0	12.0	6.0	15.0	0.8
0.68		13.0	17.0	8.0	10.0	0.6
0.68		18.0	13.5	6.0	15.0	0.8
0.82		13.0	16.0	10.0	10.0	0.6
0.82		18.0	13.5	7.5	15.0	0.8
1.0		13.0	19.0	10.0	10.0	0.8
1.0		18.0	14.5	8.0	15.0	0.8
1.5		18.0	16.0	10.0	15.0	0.8
2.2		18.0	19.0	11.0	15.0	0.8

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* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (PFC)

MPH

金属化聚丙烯膜电容器

(功率因数校正)

MPH are non-inductively wound with metallized polypropylene film as dielectric and electrode, with epoxy resin coating. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.

FEATURES

Low dissipation factor

High insulation resistance

High stability of capacitance and dissipation

Versus temperature and frequency

Self-healing properties

SPECIFICATIONS

Operating Temperature: -40°C ~ +85°C

Capacitance Range: 0.10μF ~ 2.2μF

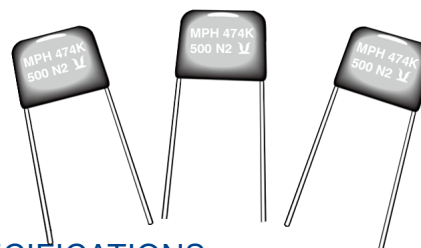
Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 450VDC, 500VDC, 520VDC, 550VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: >30,000 MΩ (C≤0.33μF)
>10,000 MΩ (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec



DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC / 500 VDC					520 VDC / 550 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.10	12.5	10.5	5.0	10.0	0.6	12.5	12.0	5.5	10.0	0.6
0.10	17.8	10.5	5.0	15.0	0.6	17.8	10.0	5.5	15.0	0.6
0.22	12.5	11.5	6.5	10.0	0.6	12.5	14.5	7.5	10.0	0.6
0.22	17.8	10.5	5.0	15.0	0.6	17.8	11.5	6.0	15.0	0.6
0.27	12.5	13.5	6.5	10.0	0.6	12.5	16.0	7.5	10.0	0.6
0.27	17.8	11.0	5.5	15.0	0.6	17.8	12.5	6.5	15.0	0.6
0.33	12.5	14.0	7.0	10.0	0.6	12.5	17.0	8.5	10.0	0.6
0.33	17.8	12.0	6.0	15.0	0.6	17.8	13.5	6.5	15.0	0.6
0.39	12.5	15.0	8.0	10.0	0.6	12.5	17.5	9.5	10.0	0.6
0.39	17.8	12.0	6.5	15.0	0.6	17.8	14.0	7.5	15.0	0.8
0.47	12.5	16.5	8.0	10.0	0.6	12.5	19.0	10.0	10.0	0.8
0.47	17.8	13.5	6.5	15.0	0.6	17.8	15.0	8.0	15.0	0.8
0.56	12.5	17.5	9.0	10.0	0.8	12.5	20.0	11.0	10.0	0.8
0.56	17.8	14.0	7.0	15.0	0.8	17.8	16.5	8.0	15.0	0.8
0.68	12.5	18.5	10.0	10.0	0.8	12.5	22.0	12.0	10.0	0.8
0.68	17.8	14.5	7.5	15.0	0.8	17.8	17.0	9.0	15.0	0.8
0.82	12.5	20.5	10.5	10.0	0.8	12.5	23.5	13.5	15.0	0.8
0.82	17.8	15.5	8.5	15.0	0.8	17.8	18.5	10.0	15.0	0.8
1.0	12.5	21.5	11.5	10.0	0.8	12.5	25.5	15.0	15.0	0.8
1.0	17.8	17.0	9.0	15.0	0.8	17.8	20.5	11.0	15.0	0.8
1.5	17.8	19.5	11.0	15.0	0.8	17.8	23.0	13.0	15.0	0.8
2.2	17.8	23.0	13.0	15.0	0.8					

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

EUROPTRONIC

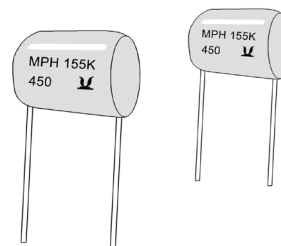
Metallized Polypropylene Film Capacitor (PFC)

MPHT

金属化聚丙烯膜电容器

(功率因数校正)

MPHT are non-inductively wound with metallized polypropylene film as dielectric and electrode, with epoxy resin coating. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.



FEATURES

High current rating and high dv/dt

Self-healing properties

Low acoustic noise

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

Capacitance Range: $0.47\mu\text{F} \sim 2.2\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: 450VDC, 500VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: $>30,000 \text{ M}\Omega$ ($C \leq 0.33\mu\text{F}$)

$>10,000 \text{ M}\Omega$ ($C > 0.33\mu\text{F}$)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC					500 VDC				
	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05	W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.47	19.0	14.0	13.5	15.0	0.8	19.0	14.0	13.5	15.0	0.8
0.56	19.0	15.0	14.5	15.0	0.8	19.0	15.0	14.5	15.0	0.8
0.68	19.0	12.5	12.0	15.0	0.8	19.0	12.5	12.0	15.0	0.8
0.82	19.0	14.5	14.0	15.0	0.8	19.0	14.5	14.0	15.0	0.8
1.0	19.0	14.5	14.0	15.0	0.8	19.0	14.5	14.0	15.0	0.8
1.5	19.0	17.0	16.5	15.0	0.8	19.0	17.0	16.5	15.0	0.8
2.2	19.0	19.0	18.5	15.0	0.8	19.0	19.0	18.5	15.0	0.8
2.2	26.0	16.0	15.5	22.5	0.8	26.0	16.0	15.5	22.5	0.8

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

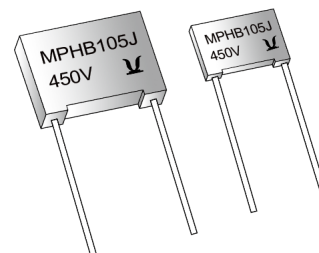
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Encapsulated for PFC)

MPHB

金属化聚丙烯膜电容器 (功率因数校正)

MPHB are non-inductively wound with metallized polypropylene film as dielectric and electrode, with encapsulated in plastic cases, and sealed with epoxy resin. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.



FEATURES

High current rating and high dv/dt

Self-healing properties

Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature: -40°C ~ +105°C

Capacitance Range: 0.10μF ~ 1.5μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Rated Voltage: 450VDC, 500VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: >30,000 MΩ (C≤0.33μF)

>10,000 MΩ (C>0.33μF)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	450 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.10	13.0	11.0	5.0	10.0	0.6
0.10	18.0	11.0	5.0	15.0	0.6
0.22	13.0	11.0	5.0	10.0	0.6
0.22	18.0	11.0	5.0	15.0	0.6
0.27	13.0	11.0	5.0	10.0	0.6
0.27	18.0	11.0	5.0	15.0	0.6
0.33	13.0	12.0	6.0	10.0	0.6
0.33	18.0	11.0	5.0	15.0	0.6
0.39	13.0	12.5	6.5	10.0	0.6
0.39	18.0	11.0	5.0	15.0	0.6
0.47	13.0	13.0	7.0	10.0	0.6
0.47	18.0	11.0	5.0	15.0	0.6
0.56	13.0	14.0	8.0	10.0	0.6
0.56	18.0	12.0	6.0	15.0	0.6
0.68	13.0	16.0	8.0	10.0	0.6
0.68	18.0	13.5	6.0	15.0	0.8
0.82	13.0	16.0	9.0	10.0	0.6
0.82	18.0	13.5	7.5	15.0	0.8
1.0	13.0	19.0	10.0	10.0	0.6
1.0	18.0	14.5	8.0	15.0	0.8
1.0	18.0	16.0	7.0	15.0	0.8
1.5	18.0	18.0	9.0	15.0	0.8

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	500 VDC				
	W max.	H max.	T max.	P ±1.0	d(φ) ±0.05
0.10	13.0	11.0	5.0	10.0	0.6
0.10	18.0	11.0	5.0	15.0	0.6
0.22	13.0	12.0	6.0	10.0	0.6
0.22	18.0	11.0	5.0	15.0	0.6
0.27	13.0	12.5	6.5	10.0	0.6
0.27	18.0	11.0	5.0	15.0	0.6
0.33	13.0	13.0	7.0	10.0	0.6
0.33	18.0	12.0	6.0	15.0	0.6
0.39	13.0	15.0	8.0	10.0	0.6
0.39	18.0	12.0	6.0	15.0	0.6
0.47	13.0	14.0	8.0	10.0	0.6
0.47	18.0	12.0	6.0	15.0	0.6
0.56	13.0	16.0	8.0	10.0	0.6
0.56	18.0	13.5	7.5	15.0	0.8
0.68	13.0	16.0	10.0	10.0	0.6
0.68	18.0	13.5	7.5	15.0	0.8
0.82	13.0	19.0	10.0	10.0	0.6
0.82	18.0	14.5	8.0	15.0	0.8
1.0	18.0	18.0	7.0	15.0	0.8
1.0	18.0	18.0	9.0	15.0	0.8
1.5	18.0	19.0	11.0	15.0	0.8

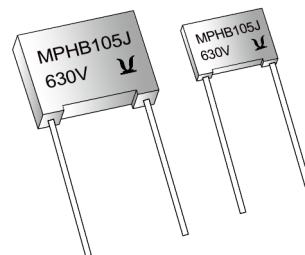
* Specifications are subject to change without notice. Please refer to approval sheets for final and mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Encapsulated for PFC)

MPHB

金属化聚丙烯膜电容器 (功率因数校正)

MPHB are non-inductively wound with metallized polypropylene film as dielectric and electrode, with encapsulated in plastic cases, and sealed with epoxy resin.



FEATURES

High current rating and high dv/dt

Self-healing properties

Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance Range: $0.10\mu\text{F} \sim 1.5\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: 450VDC

Dissipation Factor: 0.1% max. at 1KHZ, 25°C

Insulation Resistance: $>30,000 \text{ M}\Omega$ ($\text{C} \leq 0.33\mu\text{F}$)

$>10,000 \text{ M}\Omega$ ($\text{C} > 0.33\mu\text{F}$)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

CAP (μF)	R.V.	450 VDC				
		W max.	H max.	T max.	P ± 1.0	d(ϕ) ± 0.05
0.10	SIZE	13.0	11.0	5.0	10.0	0.6
0.10		18.0	11.0	5.0	15.0	0.6
0.22		13.0	11.0	5.0	10.0	0.6
0.22		18.0	11.0	5.0	15.0	0.6
0.27		13.0	11.0	5.0	10.0	0.6
0.27		18.0	11.0	5.0	15.0	0.6
0.33		13.0	11.0	5.0	10.0	0.6
0.33		18.0	11.0	5.0	15.0	0.6
0.39		13.0	12.0	6.0	10.0	0.6
0.39		18.0	11.0	5.0	15.0	0.6
0.47		13.0	12.5	6.5	10.0	0.6
0.47		18.0	11.0	5.0	15.0	0.6
0.56		13.0	13.0	7.0	10.0	0.6
0.56		18.0	11.0	5.0	15.0	0.6
0.68		13.0	14.0	8.0	10.0	0.6
0.68		18.0	12.0	6.0	15.0	0.6
0.82		13.0	16.0	8.0	10.0	0.6
0.82		18.0	12.0	6.0	15.0	0.6
1.0		13.0	16.0	9.0	15.0	0.6
1.0		18.0	13.0	7.0	15.0	0.8
1.5		18.0	14.5	8.0	15.0	0.8
1.5		18.0	16.0	10.0	15.0	0.8

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Interference Suppression Capacitors

Series	Capacitance	Rated Voltage	Application	Page
MPX2	0.010 μ F ~ 46.0 μ F	275/305VAC	Interference suppression Across-the-line capacitor EMI filter	25

MPX2 275/305VAC

X2金属化聚丙烯膜安规电容器

INTRODUCTION

MPX2 type capacitors are non-inductively wound with metallized polypropylene film as dielectric and encapsulated in self-extinguishing material meeting the requirements of UL94V-0.

APPLICATIONS

Interference suppression, across-the-line capacitor, EMI filter, spark-killer application in class X2. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

FEATURES

10 to 27.5 mm lead pitch. Supplied loose in bag or box

Self-healing properties

High temperature (110°C)

Over voltage stress withstanding

Flame-retard plastic case and resin

RoHS-compliant product.

SPECIFICATIONS

Rated Voltage: 275/305VAC

Rated Frequency: 50/60HZ

Capacitance Range: 0.01μF ~ 3.9μF

Capacitance Tolerance: ±20%, ±10%

Operating Temperature: -40°C ~ +110°C

Climatic Category: 40/110/56/B

Dissipation Factor(DF): <0.001 at 1KHZ, 25°C

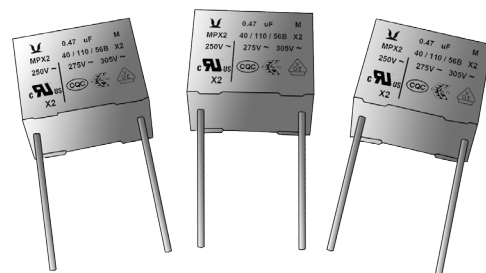
Test voltage between terminal:
1311.5Vdc1min or 2000Vdc 2s

Test voltage between terminal and case:
2050VAC for 1minute

Insulation Resistance (IR):
C< 0.33μF, IR>15000MΩ
C>0.33μF, IR>5000 ΩF

In DC Application: Recommended voltage 560VDC

Max dv/dt (V/μs): 100V



APPROVALS

Mark	Structure	Vr
	UL	275 305
	KTL	305
	CQC	275 305
	VDE	275
	ENEC	305

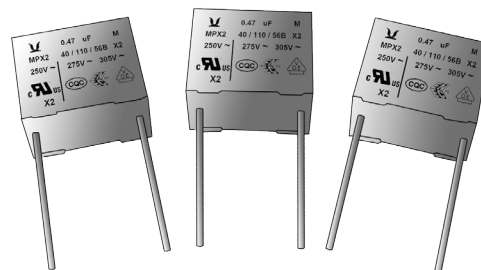
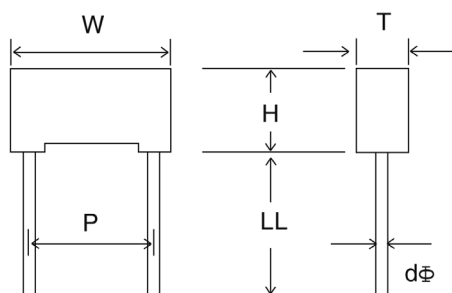
Marking:

- Eurotronics trademark: 
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)

MPX2 275/305VAC

X2金属化聚丙烯膜安规电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch:10/15mm

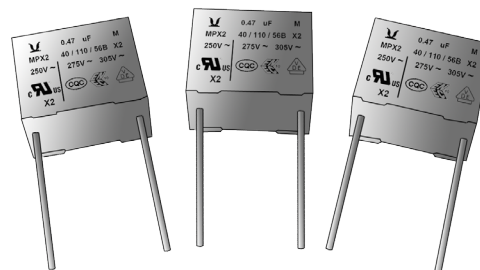
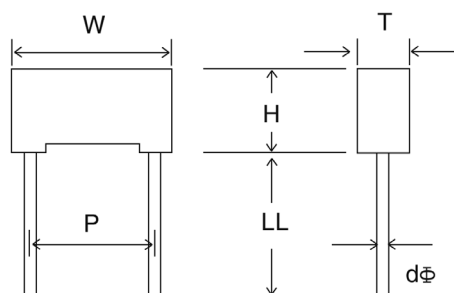
C.(μF)	W	H	T	P	d(φ)	Case
0.010	13.0	11.0	5.0	10.0	0.6	C2
0.012	13.0	11.0	5.0	10.0	0.6	C2
0.015	13.0	11.0	5.0	10.0	0.6	C2
0.018	13.0	11.0	5.0	10.0	0.6	C2
0.022	13.0	11.0	5.0	10.0	0.6	C2
0.027	13.0	11.0	5.0	10.0	0.6	C2
0.033	13.0	11.0	5.0	10.0	0.6	C2
0.039	13.0	11.0	5.0	10.0	0.6	C2
0.047	13.0	11.0	5.0	10.0	0.6	C2
0.047	13.0	12.0	6.0	10.0	0.6	C3
0.056	13.0	11.0	5.0	10.0	0.6	C2
0.056	13.0	12.0	6.0	10.0	0.6	C3
0.068	13.0	11.0	5.0	10.0	0.6	C2
0.068	13.0	12.0	6.0	10.0	0.6	C3
0.082	13.0	12.0	6.0	10.0	0.6	C3
0.10	13.0	12.0	6.0	10.0	0.6	C3
0.10	13.0	16.0	8.0	10.0	0.6	C5
0.12	13.0	13.0	7.0	10.0	0.6	C4
0.15	13.0	13.0	7.0	10.0	0.6	C4
0.15	13.0	14.0	8.0	10.0	0.6	C41

C.(μF)	W	H	T	P	d(φ)	Case
0.056	18.0	11.0	5.0	15.0	0.6	D1
0.068	18.0	11.0	5.0	15.0	0.6	D1
0.068	18.0	12.0	6.0	15.0	0.6	D2
0.082	18.0	11.0	5.0	15.0	0.6	D1
0.082	18.0	12.0	6.0	15.0	0.6	D2
0.10	18.0	11.0	5.0	15.0	0.6	D1
0.10	18.0	12.0	6.0	15.0	0.8	D2
0.10	18.0	13.5	6.0	15.0	0.8	D21
0.12	18.0	12.0	6.0	15.0	0.8	D2
0.15	18.0	12.0	6.0	15.0	0.8	D2
0.22	18.0	13.5	7.5	15.0	0.8	D3
0.33	18.0	14.0	8.0	15.0	0.8	D41
0.33	18.0	14.5	8.5	15.0	0.8	D43
0.39	18.0	16.0	10.0	15.0	0.8	D5
0.39	18.0	18.0	9.0	15.0	0.8	D51
0.47	18.0	16.0	10.0	15.0	0.8	D5
0.47	18.0	18.0	9.0	15.0	0.8	D51
0.47	18.0	19.0	11.0	15.0	0.8	D6
0.56	18.0	19.0	11.0	15.0	0.8	D6
0.56	18.0	18.0	10.0	15.0	0.8	D54
0.60	18.0	19.0	11.0	15.0	0.8	D6
0.68	18.0	19.0	11.0	15.0	0.8	D6
0.68	18.0	18.0	10.0	15.0	0.8	D54

Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)

MPX2 275/305VAC

X2金属化聚丙烯膜安规电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch:22.5/27.5mm

C.(μF)	W _{max}	H _{max}	T _{max}	P	d(φ)	Case
0.22	26.0	16.5	7.0	22.5	0.8	E2
0.27	26.0	16.5	7.0	22.5	0.8	E2
0.33	26.0	17.0	8.5	22.5	0.8	E3
0.39	26.0	17.0	8.5	22.5	0.8	E3
0.47	26.0	17.0	8.5	22.5	0.8	E3
0.47	26.0	19.0	10.0	22.5	0.8	E4
0.56	26.0	17.0	8.5	22.5	0.8	E3
0.56	26.0	19.0	10.0	22.5	0.8	E4
0.68	26.0	17.0	8.5	22.5	0.8	E3
0.68	26.0	19.0	10.0	22.5	0.8	E4
0.82	26.0	19.0	10.0	22.5	0.8	E4
1.0	26.0	20.0	11.0	22.5	0.8	E5
1.2	26.0	22.0	12.0	22.5	0.8	E6
1.5	26.0	23.0	13.0	22.5	0.8	E7
1.8	26.0	24.0	14.0	22.5	0.8	E8
2.0	26.0	25.0	15.0	22.5	0.8	E9
2.2	26.0	25.0	15.0	22.5	0.8	E9

C.(μF)	W _{max}	H _{max}	T _{max}	P	d(φ)	Case
0.82	31.0	20.0	11.0	27.5	0.8	F1
1.0	31.0	20.0	11.0	27.5	0.8	F1
1.2	31.0	22.0	13.0	27.5	0.8	F2
1.5	31.0	22.0	13.0	27.5	0.8	F2
1.8	31.0	28.0	14.0	27.5	0.8	F5
2.0	31.0	28.0	14.0	27.5	0.8	F5
2.2	31.0	28.0	14.0	27.5	0.8	F5
2.7	31.0	28.0	18.0	27.5	0.8	F6
3.0	31.0	28.0	19.5	27.5	0.8	F61
3.3	31.0	33.0	18.0	27.5	0.8	F8
3.9	31.0	35.0	24.0	27.5	0.8	F9

REFERENCE STANDARDS

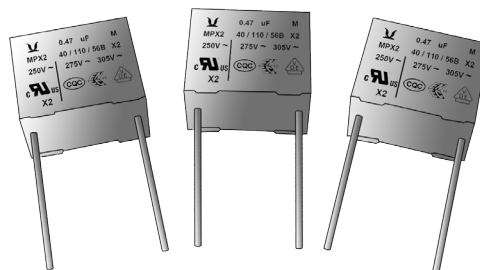
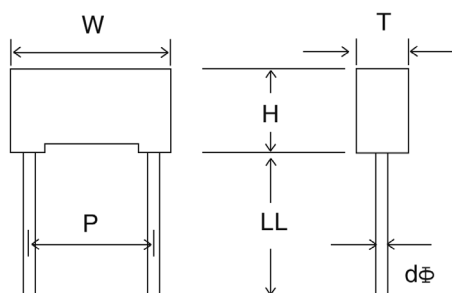
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"IEC 60065,pass .flamm.class B"

MPX2 275/305VAC

X2小型化金属化聚丙烯膜安规电容器

For Adapter Use



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch: 7.5/10/12.5mm

C.(μF)	W	H	T	P	d(φ)	Case
0.010	10.0	9.0	4.0	7.5	0.6	B2
0.012	10.0	9.0	4.0	7.5	0.6	B2
0.015	10.0	9.0	4.0	7.5	0.6	B2
0.018	10.0	9.0	4.0	7.5	0.6	B2
0.022	10.0	9.0	4.0	7.5	0.6	B2
0.027	10.0	10.0	5.0	7.5	0.6	B6
0.033	10.0	10.0	5.0	7.5	0.6	B6
0.033	10.0	9.0	5.0	7.5	0.6	B4
0.033	10.0	10.0	4.0	7.5	0.6	B5
0.039	10.0	11.0	5.0	7.5	0.6	B7
0.047	10.0	10.0	5.0	7.5	0.6	B6
0.047	10.0	12.0	6.0	7.5	0.6	B8
0.056	10.0	11.0	5.0	7.5	0.6	B7
0.056	10.0	12.0	6.0	7.5	0.6	B8
0.068	10.0	12.0	6.0	7.5	0.6	B8
0.068	10.0	13.0	7.0	7.5	0.6	B9
0.082	10.0	12.0	6.0	7.5	0.6	B8
0.082	10.0	13.0	7.0	7.5	0.6	B9
0.10	10.0	13.0	7.0	7.5	0.6	B9

C.(μF)	W	H	T	P	d(φ)	Case
0.22	13.0	16.0	8.0	10.0	0.6	C5
0.33	13.0	16.0	9.0	10.0	0.6	C6
0.22	15.0	13.5	7.0	12.5	0.6	G3

REFERENCE STANDARDS

"IEC 60384-14:2005 3rd edition and EN60384-14:2005"

"IEC 60065, pass.flamm.class B"

MPX2 275/305VAC

X2金属化聚丙烯膜安规大容量电容器

INTRODUCTION

MPX2 type capacitors are non-inductively wound with metallized polypropylene film as dielectric and encapsulated in self-extinguishing material meeting the requirements of UL94V-0.

APPLICATIONS

Interference suppression, across-the-line capacitor, EMI filter, spark-killer application in class X2. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

FEATURES

27.5 to 37.5 mm lead pitch. Supplied loose in bag or box

Self-healing properties

High temperature (110°C)

Over voltage stress withstanding

Flame-retard plastic case and resin

RoHS-compliant product

SPECIFICATIONS

Rated Voltage: 275/305VAC

Rated Frequency: 50/60HZ

Capacitance Range: 3.9μF ~ 10.0μF

Capacitance Tolerance: ±20%, ±10%

Operating Temperature: -40°C ~ +110°C

Climatic Category: 40/110/56/B

Dissipation Factor(DF): <0.001 at 1KHZ, 25°C

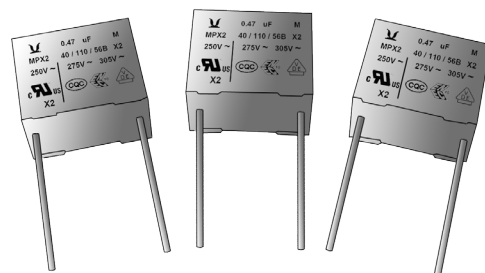
Test voltage between terminal:
1311.5Vdc1min or 2000VDC 2s

Test voltage between terminal and case:
2050VAC for 1minute

Insulation Resistance (IR):
C< 0.33μF, IR>15000MΩ
C>0.33μF, IR>5000 ΩF

In DC Application: Recommended voltage 560VDC

Max dv/dt (V/μs): 100V



APPROVALS

Mark	Structure	Vr
	UL	250
	VDE	275
	ENEC	305

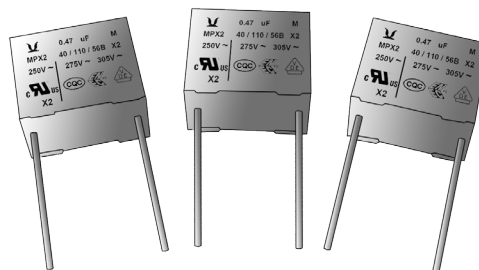
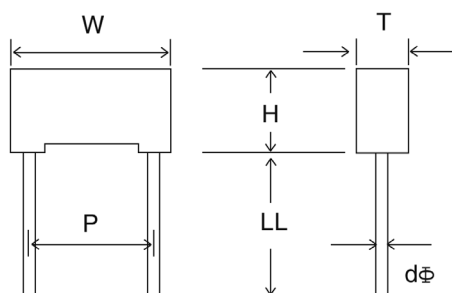
Marking:

- Eurotronic trademark: 
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)

MPX2 275/305VAC

X2金属化聚丙烯膜安规大容量电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch: 27.5 / 37.5mm

C.(μF)	W	H	T	P	d(φ)
3.9	31.0	35.0	26.0	27.5	0.8
3.9	31.0	31.0	23.0	27.5	0.8
4.7	31.0	35.0	26.0	27.5	0.8
4.7	31.0	33.0	28.0	27.5	0.8
4.7	31.0	37.0	22.0	27.5	0.8
3.9	41.5	32.0	16.0	37.5	1.0
3.9	41.5	28.0	19.0	37.5	1.0
4.7	41.5	30.0	17.0	37.5	1.0
4.7	41.5	32.0	19.0	37.5	1.0
4.7	41.5	36.0	19.0	37.5	1.0
5.6	41.5	32.0	19.0	37.5	1.0
5.6	41.5	40.0	20.0	37.5	1.0
5.6	41.5	38.0	21.0	37.5	1.0
6.8	41.5	42.0	28.0	37.5	1.0
6.8	41.5	38.0	20.0	37.5	1.0
6.8	41.5	44.0	24.0	37.5	1.0
8.2	41.5	40.0	20.0	37.5	1.0
8.2	41.5	38.0	25.0	37.5	1.0
8.2	41.5	43.0	28.0	37.5	1.0
10.0	41.5	45.0	30.0	37.5	1.0
10.0	41.5	43.0	28.0	37.5	1.0

MPX2 275/305VAC

X2金属化聚丙烯膜安规大容量电容器

INTRODUCTION

MPX2 type capacitors are non-inductively wound with metallized polypropylene film as dielectric and encapsulated in self-extinguishing material meeting the requirements of UL94V-0.

APPLICATIONS

Interference suppression, across-the-line capacitor, EMI filter, spark-killer application in class X2. Suitable for use in situations where failure of the capacitor would not lead to danger of electric shock.

FEATURES

37.5 to 52.5 mm lead pitch. Supplied loose in bag or box
Self-healing properties
High temperature (110°C)
Over voltage stress withstanding
Flame-retard plastic case and resin
RoHS-compliant product

SPECIFICATIONS

Rated Voltage: 275/305VAC

Rated Frequency: 50/60HZ

Capacitance Range: 11.0μF ~ 46.0μF

Capacitance Tolerance: ±20%, ±10%

Operating Temperature: -40°C ~ +110°C

Climatic Category: 40/110/56/B

Dissipation factor(DF): <0.001 at 1KHZ, 25°C

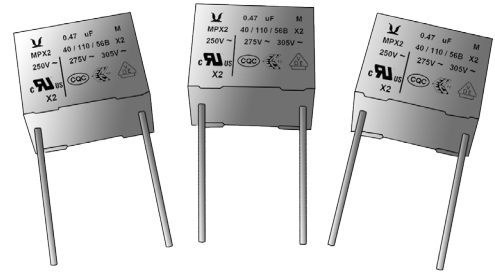
Test voltage between terminal:
1311.5Vdc1min or 2000Vdc 2s

Test voltage between terminal and case:
2050VAC for 1minute

Insulation Resistance(IR):
C< 0.33μF, IR>15000MΩ
C>0.33μF, IR>5000 ΩF

In DC Application: Recommended voltage 560VDC

Max dv/dt (V/μs): 100V



APPROVALS

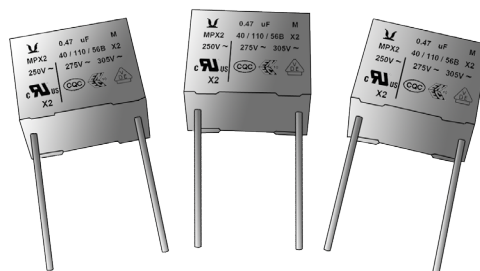
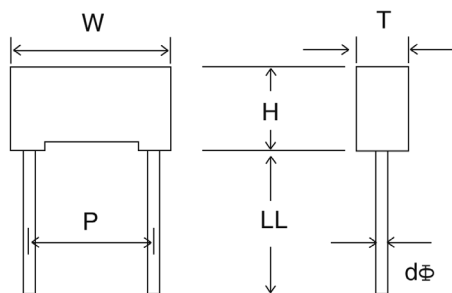
Mark	Structure	Vr
	UL	250
	VDE	275
	ENEC	305

Marking:

- Eurotronic trademark: 
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

MPX2 275/305VAC

X2金属化聚丙烯膜安规大容量电容器



RECOMMENDED DIMENSIONS OF MPX2 V=275/305VAC

Pitch: 37.5 / 52.5mm

C.(μF)	W	H	T	P	d(φ)
11.0	41.5	47.0	34.0	37.5	1.0
11.0	57.5	45.0	30.0	52.5	1.2
12.0	41.5	44.0	24.0	37.5	1.0
12.0	41.5	38.0	21.0	37.5	1.0
12.0	41.5	37.0	28.0	37.5	1.0
12.0	57.5	45.0	30.0	52.5	1.2
15.0	41.5	37.0	28.0	37.5	1.0
15.0	41.5	44.0	24.0	37.5	1.0
15.0	41.5	45.0	30.0	37.5	1.0
15.0	57.5	45.0	30.0	52.5	1.2
18.0	41.5	32.0	19.0	37.5	1.0
18.0	41.5	45.0	20.0	37.5	1.0
18.0	57.5	45.0	30.0	52.5	1.2
20.0	41.5	43.0	28.0	37.5	1.0
20.0	41.5	45.0	30.0	37.5	1.0
20.0	57.5	45.0	25.0	52.5	1.2
20.0	57.5	45.0	30.0	52.5	1.2
22.0	41.5	50.0	35.0	37.5	1.2
22.0	57.5	45.0	30.0	52.5	1.2
25.0	57.5	45.0	30.0	52.5	1.2
25.0	57.5	45.0	25.0	52.5	1.2
27.0	57.5	45.0	30.0	52.5	1.2
30.0	57.5	45.0	30.0	52.5	1.2
30.0	57.5	50.0	35.0	52.5	1.2
33.0	57.5	45.0	30.0	52.5	1.2
33.0	57.5	50.0	35.0	52.5	1.2
39.0	57.5	45.0	30.0	52.5	1.2
39.0	57.5	50.0	35.0	52.5	1.2
40.0	57.5	50.0	35.0	52.5	1.2
45.0	57.5	60.0	45.0	52.5	1.2
45.0	57.5	70.0	55.0	52.5	1.2
46.0	57.5	70.0	70.0	52.5	1.2

Snubber/Switching Application Capacitors

Series	Capacitance	Rated Voltage	Application	Page
SLB	0.015 μ F ~ 5.6 μ F	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	34
SLE	0.10 μ F ~ 5.6 μ F	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	43
SLW	0.047 μ F ~ 5.6 μ F	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	50
SLV	0.047 μ F ~ 5.6 μ F	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	55

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

订购基本规格

■ EXPLANATION OF ARTICLE CODE

S L B -	1 0 5	K	3 A	4	5 2	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SLB
CODE	SLB-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	700V	800V	850V	900V	1000V	1100V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2S	2K	2T	2U	3A	3L	3M	3B	3N	3C	3Q	3D	3E	3F

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑥ Lead Pitch(P)

Unit: mm

Lead Pitch	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5
CODE	22	27	32	37	42	47	52	57

⑦ Lead Pitch(P1)

Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3
CODE	A	B	G	C	D

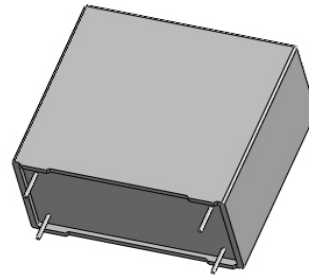
⑧ Lead Length

TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

High voltage and current absorption capacitors consist of wound metallized polypropylene film and double sided metallized film in series winding, plastic casing sealed with epoxy. They are suitable for snubber, industrial and motor speed controls, SMPS, and medium-high pulse applications



APPLICATIONS

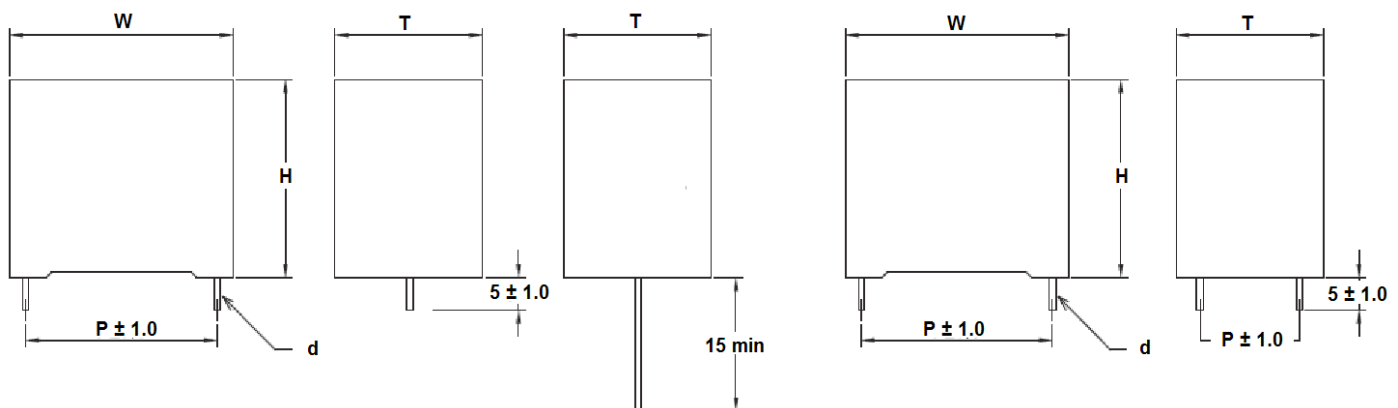
Energy conversion
Power semiconductor circuits
IGBT modules protection

FEATURES

High peak & RMS current capability
Low loss polypropylene dielectric
Self-healing properties
Flame-retardant case and resin
Multiple lead styles

SPECIFICATIONS

Operating Temperature:	-40°C ~ +85°C
Capacitance Range:	0.015μF ~ 5.6μF
Capacitance Tolerance:	±5%(J), ±10%(K)
Rated Voltage:	700VDC ~ 2000VDC
Dissipation Factor:	<0.1% at 1 KHZ, 25 °C
Dielectric Withstand:	1.5 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	30,000 MΩ min. after 1 minutes of electrification @ 100 VDC & 25 °C
Terminals to Case:	3.0 KV 50HZ for 60 sec. @ 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Reference Standard:	IEC 61071
Self Inductance	≤1nH/mm of lead spacing and lead length



Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	700 VDC						
	W (mm)	H (mm)	T (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
0.10	26.5	16.5	7.0	600.0	60.0	3.0	15.6
0.15	26.5	19.0	10.0	600.0	90.0	4.3	11.2
0.22	26.5	20.0	11.0	600.0	132.0	5.5	8.4
0.22	32.0	20.0	11.0	485.0	106.7	5.5	9.4
0.33	32.0	22.0	13.0	485.0	160.05	7.2	7.1
0.47	32.0	24.5	15.0	485.0	227.95	8.1	5.5
0.68	32.0	33.0	18.0	485.0	329.8	11.5	4.4
1.0	32.0	37.0	22.0	485.0	485.0	12.0	3.8
1.0	42.5	28.0	17.0	325.0	325.0	11.0	4.7
1.5	42.5	30.0	22.0	325.0	487.5	12.0	4.1
2.0	42.5	37.0	28.0	325.0	650.0	12.0	3.7
2.2	42.5	37.0	28.0	325.0	715.0	12.0	3.6
3.0	42.5	45.0	30.0	325.0	975.0	12.0	3.2
3.3	42.5	45.0	30.0	325.0	1072.5	12.0	3.1
4.0	57.5	45.0	30.0	200.0	800.0	12.0	3.6
4.7	57.5	50.0	35.0	200.0	940.0	12.0	3.4
5.0	57.5	50.0	35.0	200.0	1000.0	12.0	3.2
5.6	57.5	50.0	35.0	200.0	1120.0	12.0	3.1

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	850 VDC						
	W (mm)	H (mm)	T (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
0.068	26.5	16.5	7.00	850.0	57.8	3.0	18.1
0.10	26.5	19.0	10.0	850.0	85.0	4.3	13.5
0.15	26.5	20.0	11.0	850.0	127.5	5.5	9.8
0.15	32.0	20.0	11.0	700.0	105.0	5.5	11.2
0.22	32.0	22.0	13.0	700.0	154.0	6.8	8.3
0.33	32.0	24.5	15.0	700.0	231.0	8.5	6.4
0.47	32.0	33.0	18.0	700.0	329.0	11.1	5.1
0.68	32.0	37.0	22.0	700.0	476.0	10.2	4.3
0.68	42.5	28.0	17.0	400.0	272.0	9.8	5.3
1.0	42.5	30.0	22.0	400.0	400.0	12.0	4.3
1.5	42.5	37.0	28.0	400.0	600.0	12.0	3.6
2.0	42.5	45.0	30.0	400.0	800.0	12.0	3.3
2.2	42.5	45.0	30.0	400.0	880.0	12.0	3.1
2.5	57.5	45.0	30.0	275.0	687.5	12.0	3.8
3.0	57.5	45.0	30.0	275.0	825.0	12.0	3.6
3.3	57.5	45.0	30.0	275.0	907.5	12.0	3.5
4.0	57.5	50.0	35.0	275.0	1100.0	12.0	3.3
4.7	57.5	50.0	35.0	450.0	2115.0	12.0	3.1

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	1000 VDC						
	W (mm)	H (mm)	T (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.047	26.5	16.5	7.0	1000.0	47.0	2.6	23.4
0.068	26.5	17.0	8.5	1000.0	68.0	3.4	17.6
0.10	26.5	20.0	11.0	1000.0	100.0	4.3	12.9
0.10	32.0	17.0	9.0	850.0	85.0	4.3	14.3
0.15	26.5	22.0	13.0	1000.0	150.0	5.5	9.5
0.15	32.0	20.0	11.0	850.0	127.5	5.5	10.7
0.22	32.0	22.0	13.0	1300.0	286.0	7.2	7.4
0.33	32.0	28.0	14.0	1300.0	429.0	10.2	5.9
0.47	32.0	33.0	18.0	850.0	399.5	11.9	4.8
0.47	42.5	28.0	17.0	570.0	267.9	10.2	6.0
0.68	42.5	30.0	22.0	570.0	387.6	12.0	5.1
1.0	42.5	30.0	22.0	570.0	570.0	10.2	6.5
1.0	42.5	37.0	28.0	750.0	750.0	12.0	4.4
1.5	42.5	45.0	30.0	570.0	855.0	12.0	3.8
2.0	42.5	45.0	30.0	750.0	1500.0	12.0	5.2
2.0	57.5	45.0	30.0	320.0	640.0	12.0	4.2
2.2	42.5	45.0	30.0	750.0	1650.0	12.0	5.2
2.2	57.5	45.0	30.0	320.0	704.0	12.0	4.0
3.0	57.5	45.0	30.0	450.0	1350.0	12.0	5.7
3.0	57.5	50.0	35.0	320.0	960.0	12.0	3.5
3.3	57.5	45.0	30.0	450.0	1485.0	12.0	5.5
3.3	57.5	50.0	35.0	320.0	1056.0	12.0	3.5
4.0	57.5	50.0	35.0	450.0	1800.0	12.0	4.9
4.7	57.5	50.0	35.0	450.0	2115.0	12.0	4.6

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	1200 VDC						
	W (mm)	H (mm)	T (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.033	26.5	16.5	7.0	1300.0	42.9	2.6	30.0
0.047	26.5	17.0	8.5	1300.0	61.1	3.0	22.0
0.068	26.5	19.0	10.0	1300.0	88.4	3.8	16.5
0.068	32.0	17.0	9.0	1100.0	74.8	3.4	18.6
0.10	26.5	22.0	13.0	1000.0	100.0	5.1	12.6
0.10	32.0	20.0	11.0	850.0	85.0	4.7	13.8
0.15	32.0	22.0	13.0	1100.0	165.0	6.0	9.9
0.22	32.0	24.5	15.0	1100.0	242.0	7.7	7.0
0.33	32.0	33.0	18.0	1100.0	363.0	10.6	5.6
0.33	42.5	28.0	17.0	650.0	214.5	9.8	7.2
0.47	32.0	37.0	22.0	1100.0	517.0	12.0	4.4
0.47	42.5	30.0	22.0	650.0	305.5	11.0	6.2
0.68	42.5	37.0	28.0	650.0	442.0	12.0	5.1
1.0	42.5	37.0	28.0	650.0	650.0	12.0	4.4
1.2	42.5	37.0	28.0	870.0	1044.0	12.0	6.2
1.2	42.5	45.0	30.0	650.0	780.0	12.0	4.2
1.5	42.5	45.0	30.0	650.0	975.0	12.0	3.6
2.0	57.5	45.0	30.0	350.0	700.0	12.0	3.9
2.2	57.5	45.0	30.0	500.0	1100.0	12.0	6.2
2.2	57.5	50.0	35.0	350.0	770.0	12.0	3.8
2.5	57.5	45.0	30.0	500.0	1250.0	12.0	5.9
2.5	57.5	50.0	35.0	350.0	875.0	12.0	3.5
3.3	57.5	50.0	35.0	500.0	1650.0	14.0	5.1

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	1500 VDC						
	W (mm)	H (mm)	T (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.022	26.5	16.5	7.0	1500.0	33.0	2.1	38.4
0.033	26.5	17.0	8.5	1500.0	49.5	2.6	28.3
0.047	26.5	19.0	10.0	1500.0	70.5	3.0	21.5
0.047	32.0	17.0	9.0	1225.0	57.575	3.0	23.7
0.068	26.5	22.0	13.0	1500.0	102.0	4.3	16.0
0.068	32.0	20.0	11.0	1225.0	83.3	4.3	18.0
0.10	32.0	22.0	13.0	1225.0	122.5	5.5	12.4
0.15	32.0	24.5	15.0	1225.0	183.75	6.8	9.2
0.22	32.0	33.0	18.0	1225.0	269.5	10.2	6.6
0.22	42.5	28.0	17.0	800.0	176.0	8.9	8.8
0.33	32.0	37.0	22.0	1225.0	404.25	12.0	5.3
0.33	42.5	30.0	22.0	800.0	264.0	10.6	6.9
0.47	42.5	37.0	28.0	800.0	376.0	12.0	5.7
0.68	42.5	37.0	28.0	800.0	544.0	12.0	4.9
1.0	42.5	45.0	30.0	800.0	800.0	12.0	4.2
1.2	57.5	45.0	30.0	500.0	600.0	12.0	4.6
1.5	57.5	50.0	35.0	500.0	750.0	12.0	4.2
1.8	57.5	50.0	35.0	500.0	900.0	12.0	3.9

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	2000 VDC						
	W (mm)	H (mm)	T (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.015	26.5	16.5	7.0	2150.0	32.25	1.7	48.8
0.022	26.5	17.0	8.5	2150.0	47.3	2.1	35.8
0.033	26.5	20.0	11.0	2150.0	70.95	3.4	26.7
0.033	32.0	20.0	11.0	1750.0	57.75	3.0	30.8
0.047	26.5	22.0	13.0	2150.0	101.05	4.3	19.2
0.047	32.0	20.0	11.0	1750.0	82.25	3.8	21.8
0.068	32.0	22.0	13.0	1750.0	119.0	4.7	15.7
0.10	32.0	24.5	15.0	1750.0	175.0	6.4	10.9
0.15	32.0	33.0	18.0	1750.0	262.5	9.4	8.5
0.15	42.5	28.0	17.0	1000.0	150.0	7.7	10.4
0.22	32.0	33.0	18.0	1900.0	418.0	8.9	10.7
0.22	32.0	37.0	22.0	1750.0	385.0	11.1	6.8
0.22	42.5	30.0	22.0	1000.0	220.0	10.2	7.3
0.33	42.5	30.0	22.0	1220.0	402.6	9.4	10.7
0.33	42.5	37.0	28.0	1000.0	330.0	12.0	6.1
0.47	42.5	33.5	22.0	1220.0	573.4	10.6	8.7
0.47	42.5	37.0	28.0	1000.0	470.0	12.0	5.2
0.56	42.5	45.0	30.0	1000.0	560.0	12.0	4.8
0.68	42.5	37.0	28.0	1220.0	829.6	12.0	7.4
0.68	57.5	45.0	30.0	580.0	394.4	12.0	5.6
0.82	57.5	45.0	35.0	580.0	475.6	12.0	5.1
1.0	42.5	45.0	30.0	1220.0	1220.0	12.0	6.1
1.0	57.5	50.0	35.0	580.0	580.0	12.0	4.7
1.2	57.5	45.0	30.0	870.0	1044.0	12.0	6.8
1.2	57.5	50.0	35.0	580.0	696.0	12.0	4.2
1.5	57.5	50.0	35.0	725.0	1087.5	12.0	6.1

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	700 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.68	32.0	33.0	18.0	5.1	485.0	329.8	14.5	3.9
1.0	32.0	37.0	22.0	10.2	485.0	485.0	17.0	3.3
2.0	42.5	37.0	28.0	10.2	325.0	650.0	18.3	3.1
2.2	42.5	37.0	28.0	10.2	325.0	715.0	18.7	3.0
3.0	42.5	45.0	30.0	20.3	325.0	975.0	22.0	2.6
3.3	42.5	45.0	30.0	20.3	325.0	1072.5	22.0	2.5
4.0	57.5	45.0	30.0	20.3	200.0	800.0	22.0	3.0
4.7	57.5	50.0	35.0	20.3	200.0	940.0	22.0	2.9
5.0	57.5	50.0	35.0	20.3	200.0	1000.0	22.0	2.9
5.6	57.5	50.0	35.0	20.3	200.0	1120.0	22.0	2.5

■ DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	850 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.47	32.0	33.0	18.0	10.2	700.0	329.0	13.6	4.2
0.68	32.0	37.0	22.0	10.2	700.0	476.0	16.6	3.4
1.0	42.5	37.0	28.0	10.2	400.0	400.0	17.9	3.4
1.5	42.5	37.0	28.0	10.2	750.0	1125.0	19.6	2.7
2.0	42.5	45.0	30.0	20.3	400.0	800.0	22.0	2.5
2.2	42.5	45.0	30.0	20.3	400.0	880.0	22.0	2.3
2.5	57.5	45.0	30.0	20.3	275.0	687.5	22.0	2.9
3.0	57.5	45.0	30.0	20.3	275.0	825.0	22.0	2.7
3.3	57.5	45.0	30.0	20.3	275.0	907.5	22.0	2.6
4.0	57.5	50.0	35.0	20.3	275.0	1100.0	22.0	2.3

■ DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	1000 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.47	32.0	33.0	18.0	10.2	850.0	399.5	14.5	3.9
0.68	32.0	37.0	22.0	10.2	1120.0	761.6	13.6	5.6
0.68	42.5	37.0	28.0	10.2	570.0	387.6	16.2	3.4
1.0	42.5	30.0	22.0	10.2	750.0	750.0	12.8	5.6
1.0	42.5	37.0	28.0	10.2	570.0	570.0	18.7	3.5
1.5	42.5	37.0	28.0	10.2	750.0	1125.0	15.7	4.8
1.5	42.5	45.0	30.0	20.3	570.0	855.0	21.3	2.9
2.0	42.5	45.0	30.0	20.3	750.0	1500.0	18.0	4.3
2.0	57.5	45.0	30.0	20.3	320.0	640.0	22.1	3.3
2.2	42.5	45.0	30.0	20.3	750.0	1650.0	18.3	4.3
2.2	57.5	45.0	30.0	20.3	320.0	704.0	22.0	3.1
3.0	57.5	45.0	30.0	20.3	450.0	1350.0	19.6	4.8
3.0	57.5	50.0	35.0	20.3	320.0	960.0	22.0	2.9
3.3	57.5	45.0	30.0	20.3	450.0	1485.0	20.0	4.6
3.3	57.5	50.0	35.0	20.3	320.0	1056.0	22.0	2.6
4.0	57.5	50.0	35.0	20.3	450.0	1800.0	22.0	4.0
4.7	57.5	50.0	35.0	20.3	450.0	2115.0	22.0	3.6

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	1200 V D C							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.33	32.0	33.0	18.0	10.2	1100.0	363.0	13.2	4.8
0.47	32.0	37.0	22.0	10.2	1100.0	517.0	16.6	3.5
0.68	42.5	37.0	28.0	10.2	650.0	442.0	14.9	4.2
1.0	42.5	37.0	28.0	10.2	650.0	650.0	17.4	3.5
1.2	42.5	37.0	28.0	10.2	870.0	1044.0	15.3	5.3
1.2	42.5	45.0	30.0	20.3	650.0	780.0	20.0	3.3
1.5	42.5	45.0	30.0	20.3	650.0	855.0	21.7	2.7
1.5	57.5	45.0	30.0	20.3	750.0	1125.0	22.0	3.1
2.0	57.5	45.0	30.0	20.3	350.0	700.0	22.0	3.0
2.2	57.5	45.0	30.0	20.3	350.0	770.0	18.3	5.3
2.2	57.5	50.0	35.0	20.3	500.0	1100.0	22.0	2.9
2.5	57.5	45.0	30.0	20.3	500.0	1250.0	19.0	4.9
2.5	57.5	50.0	35.0	20.3	350.0	875.0	22.0	2.7
3.3	57.5	50.0	35.0	20.3	500.0	1650.0	22.0	4.2

■ DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	1500 V D C							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	32.0	33.0	18.0	10.2	1225.0	269.5	12.0	5.7
0.33	32.0	37.0	22.0	10.2	1225.0	404.3	15.0	4.4
0.47	42.5	37.0	28.0	10.2	800.0	376.0	13.6	4.8
0.68	42.5	37.0	28.0	10.2	800.0	544.0	16.6	4.0
1.0	42.5	45.0	30.0	20.3	800.0	800.0	20.0	3.3
1.2	57.5	45.0	30.0	20.3	500.0	600.0	20.8	3.6
1.5	57.5	50.0	35.0	20.3	500.0	750.0	22.0	3.3
1.8	57.5	50.0	35.0	20.3	500.0	900.0	22.0	3.0

■ DIMENSIONS for 4 leaded capacitor :

R.V. SIZE CAP(μF)	2000 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	32.0	37.0	22.0	10.2	1750.0	385.0	12.0	5.7
0.33	42.5	37.0	28.0	10.2	1000.0	330.0	15.0	5.3
0.47	42.5	37.0	28.0	10.2	1000.0	470.0	16.2	4.5
0.56	42.5	45.0	30.0	20.3	1000.0	560.0	18.7	4.3
0.68	42.5	37.0	28.0	10.2	1000.0	680.0	16.6	4.0
1.0	42.5	45.0	30.0	20.3	1220.0	1220.0	20.0	3.3
1.2	57.5	45.0	30.0	20.3	870.0	1044.0	20.8	3.6
1.2	57.5	50.0	35.0	20.3	580.0	696.0	18.7	3.3
1.5	57.5	50.0	35.0	20.3	725.0	1087.5	22.0	3.3

Metallized Polypropylene Film Capacitor (Radial Lead) Snubber/Switching Application

SLB

■ DIMENSIONS for 6 leaded capacitor:

R.V. SIZE CAP(μF)	700 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
4.0	57.5	45.0	30.0	10.2	200.0	800.0	23.0	3.1
4.7	57.5	50.0	35.0	10.2	200.0	940.0	26.4	2.9
5.0	57.5	50.0	35.0	10.2	200.0	1000.0	26.4	2.9
5.6	57.5	50.0	35.0	10.2	200.0	1120.0	26.4	2.6

■ DIMENSIONS for 6 leaded capacitor:

R.V. SIZE CAP(μF)	850 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.5	57.5	45.0	30.0	10.2	275.0	687.5	23.4	3.0
3.0	57.5	45.0	30.0	10.2	275.0	825.0	25.1	2.7
3.3	57.5	45.0	30.0	10.2	275.0	907.5	25.1	2.7
4.0	57.5	50.0	30.0	10.2	275.0	1100.0	27.2	2.5

■ DIMENSIONS for 6 leaded capacitor:

R.V. SIZE CAP(μF)	1000 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.0	57.5	45.0	30.0	10.2	320.0	640.0	22	3.4
2.2	57.5	45.0	30.0	10.2	320.0	704.0	22.5	3.3
3.0	57.5	50.0	35.0	10.2	320.0	960.0	26.4	2.7
3.3	57.5	50.0	35.0	10.2	320.0	1056.0	27.2	2.6

■ DIMENSIONS for 6 leaded capacitor:

R.V. SIZE CAP(μF)	1200 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.0	57.5	45.0	30.0	10.2	350.0	700.0	23.0	3.1
2.2	57.5	50.0	35.0	10.2	350.0	770.0	25.5	3.0
2.5	57.5	50.0	35.0	10.2	350.0	875.0	26.4	2.7

■ DIMENSIONS for 6 leaded capacitor:

R.V. SIZE CAP(μF)	1500 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.2	57.5	45.0	30.0	10.2	500.0	600.0	21.3	3.8
1.5	57.5	50.0	35.0	10.2	500.0	750.0	23.8	3.4
1.8	57.5	50.0	35.0	10.2	500.0	900.0	25.1	3.1

■ DIMENSIONS for 6 leaded capacitor :

R.V. SIZE CAP(μF)	2000 VDC							
	W (mm)	H (mm)	T (mm)	P1 (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.82	57.5	45.0	30.0	10.2	580.0	475.6	20.4	4.0
1.0	57.5	50.0	35.0	10.2	580.0	580.0	23.0	3.8
1.2	57.5	50.0	35.0	10.2	580.0	696.0	25.1	3.0

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

订购基本规格

■ EXPLANATION OF ARTICLE CODE

S L E -	1 0 5	K	3 M	N	4 2	S	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SLE
CODE	SLE-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	700V	850V	1000V	1200V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2S	2T	3A	3M	3N	3C	3Q	3D	3E	3F

⑤ Internal Code

⑥ Case Length

Unit: mm

Case Length	32.5	36.5	42.5	57.5	59.5	62.5
CODE	32	36	42	57	59	62

⑦ Terminal Configuration

Lead Pitch	Style S	Style W	Style B	Style F	Style A	Style N	Style P	Style Y
CODE	S	W	B	F	A	N	P	Y

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

订购基本规格

EXPLANATION OF ARTICLE CODE

S L E -	1 0 5	K	3 M	N	4 2	S	L
①	②	③	④	⑤	⑥	⑦	⑧

⑧ Lead Length

P1	23~28	24~26	29~39	20~25	21~23	33~42	33~45	17.5~28.5
P2	11	11	11	8	8	8	15	6
OUTPUT	M6	M6	M6	M6	M6	M6	M6	M6
CODE	L	A	B	C	D	E	F	G

P1	37~39	36~41	49~58	46~58	53~62
P2	24	24	24	28	28
OUTPUT	M6	M6	M6	M6	M6
CODE	J	H	K	M	N

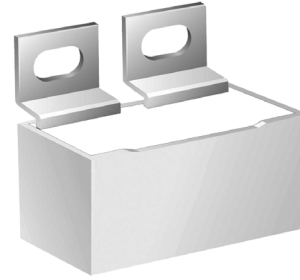
P1	23~28	24~26	29~39	20~25	21~23	33~42	33~45	17.5~28.5
P2	11	11	11	8	8	8	15	6
OUTPUT	M8	M8	M8	M8	M8	M8	M8	M8
CODE	P	Q	R	S	T	U	V	W

P1	37~39	36~41	49~58
P2	24	24	24
OUTPUT	M8	M8	M8
CODE	X	Y	Z

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

High voltage and current absorption capacitors consist of wound metallized polypropylene film and double sided metallized film in series winding, plastic casing sealed with epoxy. They are suitable for snubber, industrial and motor speed controls, SMPS, and medium-high pulse applications



■ APPLICATIONS

Energy conversion

Power semiconductor circuits

IGBT modules protection

■ FEATURES

High peak & RMS current capability

Low loss polypropylene dielectric

Self-healing properties

Flame-retardant case and resin

Multiple lead styles

■ SPECIFICATIONS

Operating Temperature:	-40°C ~ +85°C
Capacitance Range:	0.10μF ~ 5.6μF
Capacitance Tolerance:	±5%(J), ±10%(K)
Rated Voltage:	700VDC ~ 2000VDC
Dissipation Factor:	<0.06% at 1 KHZ, 25 °C
Dielectric Withstand:	1.5 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	30,000 MΩ min. after 1 minutes of electrification @ 100 VDC & 25 °C
Terminals to Case:	3.0 KV 50HZ for 60 sec. @ 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Self Inductance:	≤1nH/mm of lead spacing and lead length
Lead Terminations:	Lead free tinned copper leads (RoHS compliant)

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	700 VDC							
	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.2	42.5	27.5	24.5	M6/M8	600.0	720.0	17.5	4.0
2.0	42.5	35.5	33.5	M6/M8	600.0	1200.0	23.5	3.3
2.2	42.5	35.5	33.5	M6/M8	600.0	1320.0	24.0	3.1
2.5	42.5	35.5	33.5	M6/M8	600.0	1500.0	24.5	2.9
3.0	42.5	45.0	33.0	M6/M8	600.0	1800.0	27.5	2.7
3.3	42.5	45.0	33.0	M6/M8	600.0	1980.0	28.0	2.7
3.5	42.5	45.0	33.0	M6/M8	600.0	2100.0	28.5	2.6
4.0	57.5	45.0	30.0	M6/M8	360.0	1440.0	29.0	3.0
4.7	57.5	50.0	35.0	M6/M8	360.0	1692.0	32.0	2.7
5.0	57.5	50.0	35.0	M6/M8	360.0	1800.0	32.0	2.7
5.6	57.5	50.0	35.0	M6/M8	360.0	2016.0	33.5	2.6

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	850 VDC							
	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.82	42.5	27.5	24.5	M6/M8	750.0	615.0	16.5	4.0
1.0	42.5	27.5	24.5	M6/M8	750.0	750.0	18.5	3.5
1.5	42.5	35.5	33.5	M6/M8	750.0	1125.0	24.5	2.9
1.75	42.5	35.5	33.5	M6/M8	750.0	1312.5	25.5	2.7
2.0	42.5	40.0	33.0	M6/M8	750.0	1500.0	28.0	2.6
2.2	42.5	45.0	33.0	M6/M8	750.0	1650.0	28.5	2.6
2.5	42.5	45.0	33.0	M6/M8	750.0	1875.0	29.0	2.5
2.5	57.5	50.0	35.0	M6/M8	450.0	1125.0	29.0	2.5
3.0	57.5	45.0	30.0	M6/M8	450.0	1350.0	29.5	2.9
3.3	57.5	45.0	30.0	M6/M8	450.0	1485.0	30.0	2.7
4.0	57.5	50.0	35.0	M6/M8	450.0	1800.0	33.5	2.5
5.0	57.5	50.0	35.0	M6/M8	450.0	2250.0	28.0	2.9

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1000 VDC							
	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.68	42.5	27.5	24.5	M6/M8	870.0	591.6	16.5	4.3
0.75	42.5	27.5	24.5	M6/M8	870.0	652.5	17.5	4.0
1.2	42.5	35.5	33.5	M6/M8	870.0	1044.0	23.5	3.3
1.5	42.5	35.5	33.5	M6/M8	870.0	1305.0	25.0	2.9
1.75	42.5	45.0	33.0	M6/M8	870.0	1522.5	27.0	2.7
2.0	42.5	45.0	33.0	M6/M8	870.0	1740.0	28.0	2.6
2.2	42.5	45.0	33.0	M6/M8	750.0	1650.0	24.0	4.3
2.2	57.5	45.0	30.0	M6/M8	500.0	1100.0	27.5	3.3
2.5	42.5	45.0	33.0	M6/M8	750.0	1875.0	24.5	4.0
3.0	57.5	45.0	30.0	M6/M8	450.0	1350.0	24.5	4.8
3.0	57.5	50.0	35.0	M6/M8	500.0	1500.0	32.0	2.7
3.3	57.5	45.0	30.0	M6/M8	450.0	1485.0	25.5	4.6
3.3	57.5	50.0	35.0	M6/M8	450.0	1485.0	32.5	2.6
4.0	57.5	50.0	35.0	M6/M8	450.0	1800.0	29.5	4.0

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1200 VDC							
	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.33	42.5	27.5	24.5	M6/M8	1000.0	330.0	12.5	6.6
0.39	42.5	27.5	24.5	M6/M8	1000.0	390.0	14.0	6.0
0.47	42.5	27.5	24.5	M6/M8	1000.0	470.0	15.0	5.3
0.56	42.5	27.5	24.5	M6/M8	1000.0	560.0	16.0	4.8
0.68	42.5	35.5	33.5	M6/M8	1000.0	680.0	20.0	4.3
0.82	42.5	35.5	33.5	M6/M8	1000.0	820.0	21.0	3.9
1.0	42.5	37.0	28.0	M6/M8	1000.0	1000.0	22.5	3.7
1.0	42.5	35.5	33.5	M6/M8	1000.0	1000.0	22.5	3.5
1.2	42.5	35.5	33.5	M6/M8	1000.0	1200.0	25.0	3.1
1.2	42.5	45.0	33.0	M6/M8	1200.0	1440.0	25.0	3.1
1.5	42.5	35.5	33.5	M6/M8	870.0	1305.0	21.0	4.7
1.5	42.5	45.0	33.0	M6/M8	1000.0	1500.0	27.5	2.7
2.0	42.5	45.0	33.0	M6/M8	870.0	1740.0	24.5	4.3
2.0	57.5	45.0	30.0	M6/M8	575.0	1150.0	28.0	3.1
2.2	57.5	45.0	30.0	M6/M8	500.0	1100.0	23.5	5.3
2.2	57.5	50.0	35.0	M6/M8	575.0	1265.0	31.0	3.0
2.5	57.5	45.0	30.0	M6/M8	500.0	1250.0	24.5	4.9
3.0	57.5	50.0	35.0	M6/M8	575.0	1725.0	32.5	2.7
3.3	57.5	50.0	35.0	M6/M8	500.0	1650.0	28.5	4.2

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1500 VDC							
	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.33	42.5	27.5	24.5	M6/M8	1220.0	402.6	14.0	6.0
0.39	42.5	27.5	24.5	M6/M8	1220.0	475.8	14.5	5.6
0.47	42.5	35.5	33.5	M6/M8	1220.0	573.4	19.0	4.8
0.68	42.5	35.5	33.5	M6/M8	1220.0	829.6	21.0	4.0
0.75	42.5	35.5	33.5	M6/M8	1220.0	915.0	22.0	3.6
1.0	42.5	45.0	33.0	M6/M8	1220.0	1220.0	23.0	3.3
1.2	57.5	45.0	30.0	M6/M8	870.0	1044.0	26.0	3.6
1.5	57.5	50.0	35.0	M6/M8	725.0	1087.5	29.5	3.3
1.8	57.5	50.0	35.0	M6/M8	725.0	1305.0	30.5	3.0

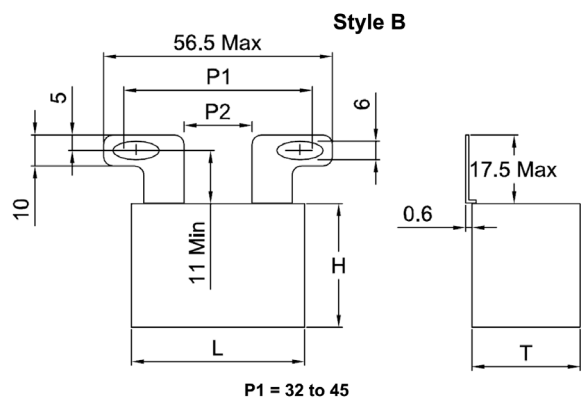
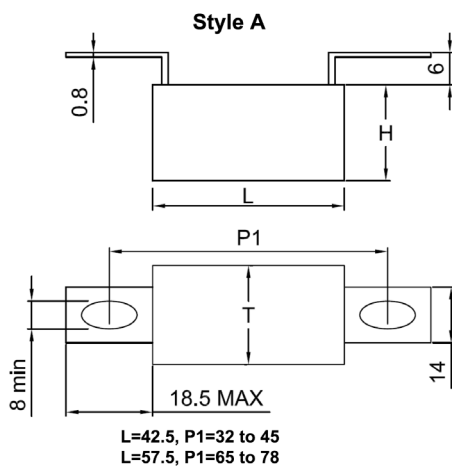
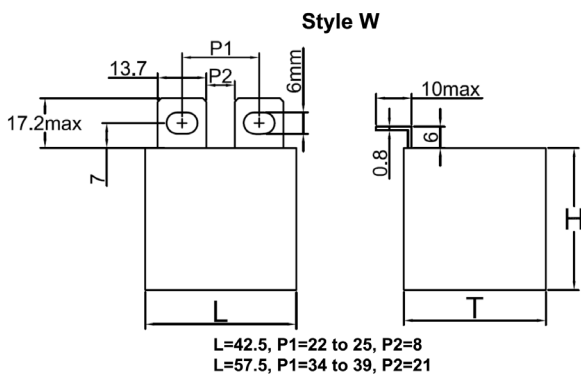
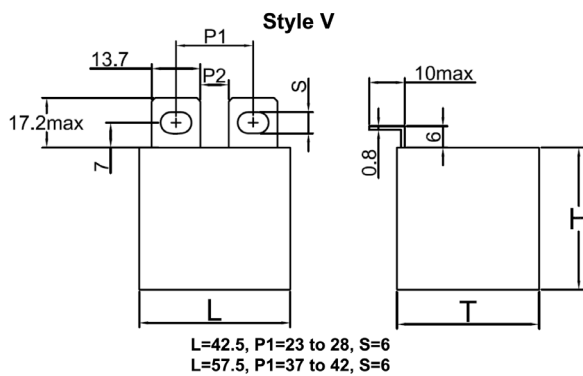
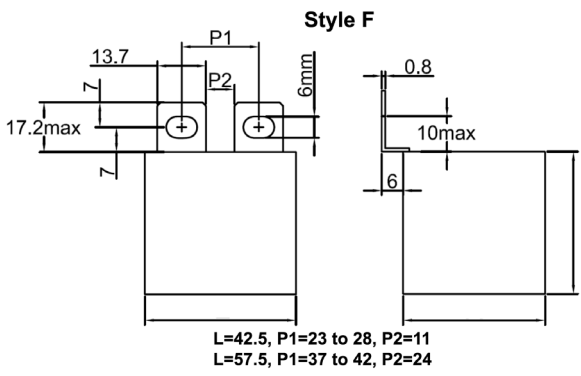
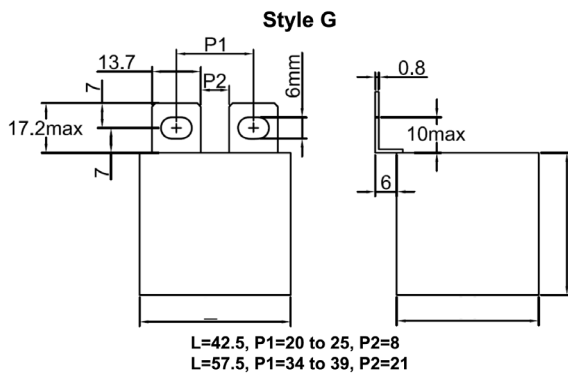
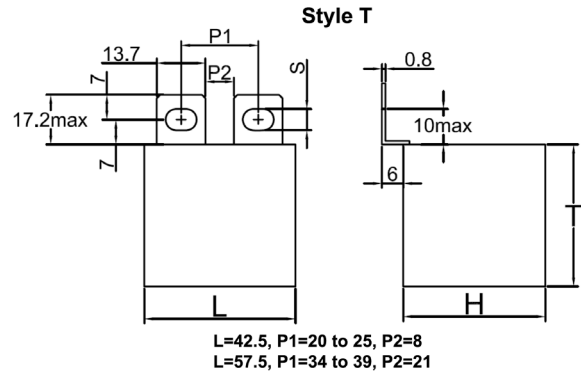
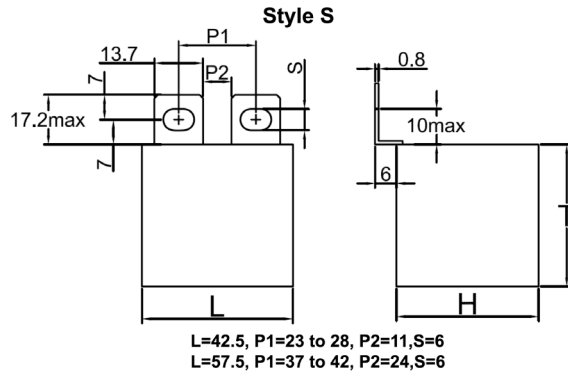
■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	2000 VDC							
	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	42.5	27.5	24.5	M6/M8	1600.0	160.0	8.5	16.3
0.15	42.5	27.5	24.5	M6/M8	1600.0	240.0	11.0	9.8
0.22	42.5	27.5	24.5	M6/M8	1600.0	352.0	13.5	6.6
0.33	42.5	27.5	24.5	M6/M8	1220.0	4026.0	12.5	9.6
0.33	42.5	35.5	33.5	M6/M8	1600.0	528.0	18.0	5.3
0.39	42.5	35.5	33.5	M6/M8	1000.0	390.0	17.5	4.7
0.47	42.5	35.0	33.5	M6/M8	1220.0	573.4	16.5	7.8
0.47	42.5	37.0	28.0	M6/M8	1000.0	470.0	19.0	4.0
0.47	42.5	45.0	33.0	M6/M8	1600.0	752.0	22.0	4.2
0.56	42.5	45.0	33.0	M6/M8	1600.0	896.0	23.0	3.9
0.68	42.5	35.5	33.5	M6/M8	1220.0	829.6	18.0	6.5
0.68	57.5	45.0	30.0	M6/M8	930.0	632.4	23.0	4.6
0.82	42.5	45.0	33.0	M6/M8	1220.0	1000.4	20.0	6.0
0.82	57.5	45.0	30.0	M6/M8	930.0	762.6	24.5	4.0
1.0	42.5	45.0	33.0	M6/M8	1220.0	1220.0	21.5	5.3
1.0	57.5	50.0	35.0	M6/M8	930.0	930.0	28.0	3.6
1.2	57.5	45.0	30.0	M6/M8	725.0	870.0	22.5	5.9
1.5	57.5	50.0	35.0	M6/M8	725.0	1087.5	26.0	5.2

Metallized Polypropylene Film Capacitor (Lug Terminal) Snubber/Switching Application

SLE

■ Terminal Style:



Unit = Millimeter (mm)

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLW

订购基本规格

■ EXPLANATION OF ARTICLE CODE

S L W -	1 0 5	K	3 A	A	4 4	L	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SLW
CODE	SLW-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

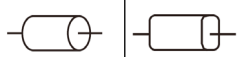
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	630V	700V	800V	850V	900V	1000V	1100V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2J	2S	2K	2T	2U	3A	3L	3M	3B	3N	3C	3Q	3D	3E	3F

⑤ Lead Configuration

CODE	A
LEAD TYPE	

⑥ Lead Pitch

Unit: mm

Lead Pitch	34.0	44.0	57.0
CODE	34	44	57

⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

⑧ Lead Length

Lead Pitch	N/A
CODE	L

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLW

High voltage and current absorption capacitors consist of wound metallized polypropylene film and double sided metallized film in series winding, outer wrap by polyester film tape and end sealed by epoxy resin. They are suitable for snubber, industrial and motor speed controls, SMPS, and medium-high pulse applications.



APPLICATIONS

Energy conversion

Power semiconductor circuits

IGBT modules protection

FEATURES

High peak & RMS current capability

Low loss polypropylene dielectric

Self-healing properties

Flame-retardant case and resin

Multiple lead styles

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance Range: $0.047\mu\text{F} \sim 5.6\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: $700\text{VDC} \sim 2000\text{VDC}$

Dissipation Factor: $<0.1\%$ at 1 KHZ, 25°C

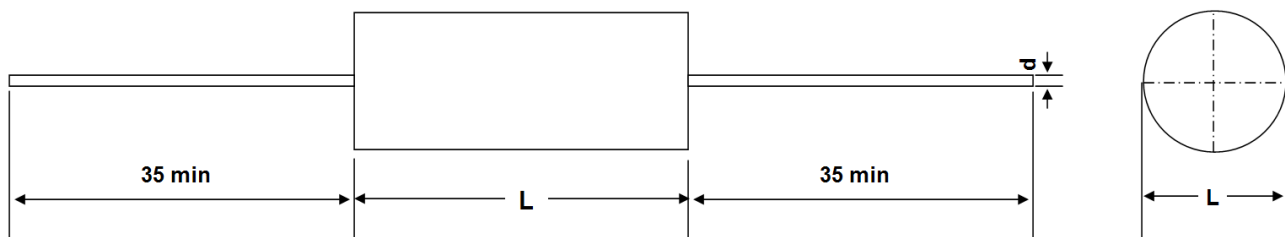
Dielectric Withstand: $1.5 \times$ rated voltage for 10 seconds (terminal to terminal)

Insulation Resistance: $30,000 \text{ M}\Omega$ min. after 1 minutes of electrification @ 100 VDC & 25°C

Life Expectancy: 100,000 hours at U_r and 70°C

Self Inductance: $\leq 1\text{nH/mm}$ of body length and lead wire length.

Lead Terminations: Tinned copper leads (RoHS compliant)



Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLW

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	700 VDC						
	L (mm)	OD (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.33	34.0	15.0	0.8	480.0	158.0	4.5	7.8
0.47	34.0	17.5	0.8	480.0	226.0	5.5	6.1
0.68	34.0	21.0	1.0	480.0	326.0	7.0	5.1
0.68	44.0	16.5	1.0	325.0	221.0	7.0	5.7
1.0	44.0	20.0	1.2	325.0	325.0	8.5	5.1
1.5	44.0	24.0	1.2	325.0	488.0	9.0	4.3
2.0	44.0	27.5	1.2	325.0	650.0	10.0	3.9
2.2	44.0	28.5	1.2	325.0	715.0	10.5	3.8
2.2	57.0	24.0	1.2	240.0	528.0	10.5	4.9
2.5	44.0	30.0	1.2	325.0	813.0	12.5	4.6
2.5	57.0	25.5	1.2	240.0	600.0	12.0	4.9
3.0	44.0	33.0	1.2	325.0	975.0	12.0	4.0
3.0	57.0	27.5	1.2	240.0	720.0	12.0	4.3
3.3	44.0	34.0	1.2	325.0	1073.0	12.0	3.8
3.5	57.0	30.0	1.2	240.0	840.0	12.0	3.5
4.0	57.0	32.0	1.2	240.0	960.0	12.0	3.4
4.7	57.0	34.5	1.2	240.0	1128.0	12.0	3.3
5.6	57.0	37.0	1.2	240.0	1344.0	12.0	3.0

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	850 VDC						
	L (mm)	OD (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	34.0	14.5	0.8	700.0	154.0	6.5	8.6
0.22	44.0	12.0	0.8	700.0	88.0	6.5	10.3
0.33	34.0	17.5	1.0	700.0	231.0	8.0	6.2
0.33	44.0	14.0	1.0	400.0	132.0	7.5	7.9
0.47	34.0	20.5	1.0	700.0	329.0	9.0	5.2
0.47	44.0	16.5	1.0	400.0	188.0	9.0	6.5
0.68	44.0	19.5	1.2	400.0	272.0	9.0	4.2
1.0	44.0	23.0	1.2	400.0	400.0	12.0	4.3
1.5	44.0	28.0	1.2	400.0	600.0	12.0	3.6
2.0	44.0	32.0	1.2	400.0	800.0	12.0	3.9
2.2	44.0	33.5	1.2	400.0	880.0	12.0	3.0
2.2	57.0	28.0	1.2	290.0	638.0	12.0	3.6
2.5	44.0	35.5	1.2	400.0	1000.0	12.0	3.4
2.5	57.0	30.0	1.2	290.0	725.0	12.0	3.6
3.0	57.0	32.5	1.2	290.0	870.0	12.0	3.4
3.3	57.0	34.0	1.2	290.0	957.0	12.0	3.1
4.0	57.0	37.5	1.2	290.0	1160.0	12.0	3.0
4.7	57.0	40.0	1.2	290.0	1363.0	12.0	2.6

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLW

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1000 VDC						
	L (mm)	OD (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	34.0	16.5	1.0	850.0	187.0	7.0	7.7
0.33	34.0	20.0	1.0	850.0	281.0	9.0	5.9
0.33	44.0	16.0	1.0	570.0	188.0	9.0	7.5
0.47	34.0	23.5	1.0	850.0	400.0	9.0	4.9
0.47	44.0	18.5	1.0	570.0	268.0	9.0	6.1
0.68	44.0	22.0	1.0	570.0	388.0	9.0	5.2
1.0	44.0	26.5	1.2	570.0	570.0	12.0	4.2
1.5	44.0	32.0	1.2	570.0	855.0	12.0	4.7
1.5	57.0	27.0	1.2	340.0	510.0	12.0	5.1
2.0	57.0	31.0	1.2	340.0	680.0	12.0	3.9
2.2	57.0	32.0	1.2	340.0	748.0	12.0	3.5
3.0	57.0	37.5	1.2	340.0	1020.0	12.0	3.1
3.3	57.0	39.0	1.2	340.0	1122.0	12.0	2.8

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1200 VDC						
	L (mm)	OD (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.15	34.0	15.5	1.0	1100.0	165.0	6.0	10.0
0.15	44.0	12.5	1.0	650.0	97.5	6.0	13.0
0.22	34.0	18.0	1.0	1100.0	242.0	9.0	7.0
0.22	44.0	14.5	1.0	650.0	143.0	9.0	10.0
0.33	34.0	22.0	1.0	1100.0	363.0	9.0	6.0
0.33	44.0	17.5	1.0	650.0	214.5	9.0	7.0
0.47	44.0	24.0	1.0	650.0	305.5	9.0	6.2
0.68	44.0	24.0	1.2	650.0	442.0	12.0	5.3
1.0	44.0	29.0	1.2	650.0	650.0	12.0	4.5
1.0	57.0	24.5	1.2	385.0	385.0	12.0	5.0
1.2	44.0	32.0	1.2	650.0	780.0	12.0	4.0
1.2	57.0	26.5	1.2	550.0	660.0	12.0	4.4
1.5	44.0	35.5	1.2	650.0	975.0	12.0	3.5
1.5	57.0	29.5	1.2	385.0	577.5	12.0	4.0
2.0	57.0	33.0	1.2	385.0	700.0	12.0	3.5
2.2	57.0	35.5	1.2	385.0	847.0	12.0	3.4
2.5	57.0	37.5	1.2	385.0	962.5	12.0	3.2
3.0	57.0	41.0	1.2	385.0	1155.0	12.0	2.8

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLW

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1500 VDC						
	L (mm)	OD (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	34.0	15.7	0.8	1225.0	122.5	5.5	12.5
0.15	34.0	19.0	1.0	1225.0	184.0	7.0	9.4
0.22	34.0	22.5	1.0	1225.0	270.0	9.0	6.9
0.22	44.0	18.0	1.0	870.0	176.0	9.0	9.1
0.33	44.0	21.5	1.0	870.0	264.0	9.0	6.9
0.47	44.0	25.5	1.2	870.0	376.0	11.0	5.6
0.68	44.0	30.5	1.2	870.0	544.0	12.0	4.8
1.0	44.0	36.5	1.2	870.0	800.0	12.0	4.2
1.0	57.0	30.5	1.2	570.0	570.0	12.0	4.8
1.2	57.0	33.0	1.2	570.0	684.0	12.0	4.4
1.5	57.0	37.0	1.2	570.0	855.0	12.0	3.8

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	2000 VDC						
	L (mm)	OD (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.047	44.0	11.0	0.8	1000.0	47.0	4.0	27.3
0.068	34.0	16.0	1.0	1750.0	119.0	5.5	15.3
0.068	44.0	13.0	0.8	1000.0	68.0	5.5	21.2
0.10	34.0	19.0	1.0	1750.0	175.0	7.5	10.9
0.10	44.0	15.5	1.0	1000.0	100.0	7.0	16.1
0.15	44.0	18.5	1.0	1000.0	150.0	9.0	8.6
0.22	44.0	21.5	1.0	1000.0	220.0	9.0	7.8
0.33	44.0	26.5	1.2	1000.0	330.0	12.0	6.1
0.47	44.0	32.0	1.2	1000.0	473.0	12.0	5.1
0.56	44.0	34.5	1.2	1000.0	560.0	12.0	4.7
0.56	57.0	29.0	1.2	640.0	358.0	12.0	5.9
0.68	57.0	31.0	1.2	640.0	435.0	12.0	5.2
1.0	57.0	37.5	1.2	640.0	640.0	12.0	4.3
1.2	57.0	40.5	1.2	640.0	768.0	12.0	3.9

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLV

订购基本规格

■ EXPLANATION OF ARTICLE CODE

S L V -	1 0 5	K	3 A	A	4 4	L	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SLV
CODE	SLV-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

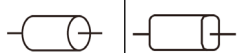
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	700V	800V	850V	900V	1000V	1100V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2S	2K	2T	2U	3A	3L	3M	3B	3N	3C	3Q	3D	3E	3F

⑤ Lead Configuration

CODE	A
LEAD TYPE	

⑥ Lead Pitch

Unit: mm

Lead Pitch	34.0	44.0	57.0
CODE	34	44	57

⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

⑧ Lead Length

Lead Pitch	N/A
CODE	L

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLV

High voltage and current absorption capacitors consist of wound metallized polypropylene film and double sided metallized film in series winding, outer wrapt by polyester film tape and end sealed by epoxy resin. They are suitable for snubber, industrial and motor speed controls, SMPS, and medium-high pulse applications



APPLICATIONS

Energy conversion

Power semiconductor circuits

IGBT modules protection

FEATURES

High peak & RMS current capability

Low loss polypropylene dielectric

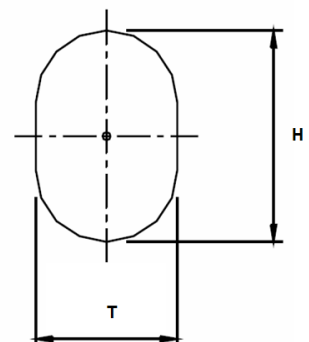
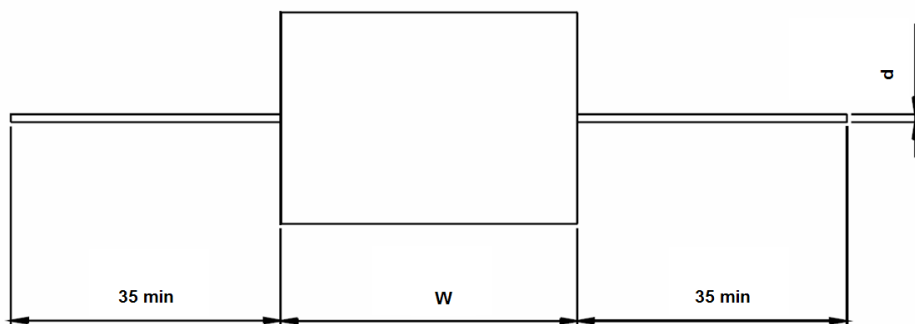
Self-healing properties

Flame-retardant case and resin

Multiple lead styles

SPECIFICATIONS

Operating Temperature:	-40°C ~ +85°C
Capacitance Range:	0.047μF ~ 5.6μF
Capacitance Tolerance:	±5%(J), ±10%(K)
Rated Voltage:	700VDC ~ 2000VDC
Dissipation Factor:	<0.1% at 1 KHZ, 25 °C
Dielectric Withstand:	1.5 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	30,000 MΩ min. after 1 minutes of electrification @ 100 VDC & 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Self Inductance:	≤1nH/mm of body length and lead wire length.
Lead Terminations:	Tinned copper leads (RoHS compliant)



Metallized Polypropylene Film Capacitor (Axial Lead)

Snubber/Switching Application

SLV

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	700 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	34.0	14.5	8.0	0.8	480.0	106.0	5.5	8.5
0.33	34.0	17.5	9.5	0.8	480.0	158.0	6.0	7.8
0.47	34.0	20.0	12.0	0.8	480.0	226.0	8.0	6.1
0.68	34.0	23.0	15.0	1.0	480.0	326.0	9.0	5.1
0.68	44.0	19.0	11.0	1.0	325.0	221.0	9.0	5.7
1.0	44.0	22.0	14.0	1.2	325.0	325.0	9.0	5.1
1.5	44.0	27.5	16.5	1.2	325.0	488.0	12.0	4.3
2.0	44.0	30.5	19.5	1.2	325.0	650.0	12.0	3.9
2.2	44.0	32.0	20.7	1.2	325.0	715.0	12.0	3.8
2.2	57.0	27.5	16.5	1.2	240.0	528.0	12.0	4.9
2.5	44.0	33.5	22.5	1.2	325.0	813.0	12.0	4.6
2.5	57.0	29.0	18.0	1.2	240.0	600.0	12.0	4.9
3.0	44.0	36.5	25.0	1.2	325.0	975.0	12.0	4.0
3.0	57.0	31.0	20.0	1.2	240.0	720.0	12.0	4.3
3.3	44.0	37.5	26.5	1.2	325.0	1073.0	12.0	3.8
3.5	57.0	33.0	22.0	1.2	240.0	840.0	12.0	3.5
4.0	57.0	35.0	24.0	1.2	240.0	960.0	12.0	3.4
4.7	57.0	37.5	26.0	1.2	240.0	1128.0	12.0	3.3
5.6	57.0	40.0	29.0	1.2	240.0	1344.0	12.0	3.0

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	850 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	34.0	12.5	6.0	0.8	700.0	70.0	4.0	15.0
0.15	34.0	14.0	7.5	0.8	700.0	105.0	5.5	11.2
0.22	34.0	17.0	9.0	0.8	700.0	154.0	6.5	8.5
0.22	44.0	13.5	7.0	0.8	400.0	88.0	6.5	10.3
0.33	34.0	20.0	12.0	1.0	700.0	231.0	8.0	6.2
0.33	44.0	16.5	8.5	1.0	400.0	132.0	7.5	7.9
0.47	34.0	22.5	14.5	1.0	700.0	329.0	9.0	5.2
0.47	44.0	19.0	11.0	1.0	400.0	188.0	9.0	6.5
0.68	44.0	21.5	13.5	1.0	400.0	272.0	9.0	4.2
1.0	44.0	27.0	15.5	1.2	400.0	400.0	12.0	4.3
1.5	44.0	31.5	20.0	1.2	400.0	600.0	12.0	3.6
2.0	44.0	35.0	24.0	1.2	400.0	800.0	12.0	3.9
2.2	44.0	36.5	25.5	1.2	280.0	616.0	12.0	3.0
2.2	57.0	31.5	20.0	1.2	400.0	880.0	12.0	3.6
2.5	57.0	38.5	27.5	1.2	280.0	700.0	12.0	3.4
2.5	57.0	33.0	22.0	1.2	280.0	700.0	12.0	3.6
3.0	57.0	35.5	24.5	1.2	280.0	840.0	12.0	3.4
3.3	57.0	37.0	26.0	1.2	280.0	924.0	12.0	3.1
4.0	57.0	40.0	29.0	1.2	280.0	1120.0	12.0	3.0

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLV

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1000 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	34.0	12.5	8.0	0.8	850.0	85.0	5.0	11.1
0.15	34.0	15.5	9.1	0.8	850.0	128.0	6.0	10.7
0.22	34.0	19.0	11.0	1.0	850.0	187.0	7.0	7.7
0.33	34.0	22.0	14.0	1.0	850.0	281.0	9.0	5.9
0.33	44.0	18.5	10.5	1.0	570.0	188.0	9.0	7.5
0.47	34.0	27.0	16.0	1.0	850.0	400.0	9.0	4.9
0.47	44.0	21.0	13.0	1.0	570.0	268.0	9.0	6.1
0.68	44.0	26.0	14.5	1.0	570.0	388.0	9.0	5.2
1.0	44.0	30.0	19.0	1.2	570.0	570.0	12.0	4.2
1.5	44.0	35.0	24.0	1.2	570.0	855.0	12.0	4.7
1.5	57.0	30.0	19.0	1.2	340.0	510.0	12.0	5.1
2.0	57.0	34.0	22.5	1.2	340.0	680.0	12.0	3.9
2.2	57.0	35.0	24.0	1.2	340.0	748.0	12.0	3.5
3.0	57.0	40.0	29.0	1.2	340.0	1020.0	12.0	3.1
3.3	57.0	40.0	33.0	1.2	340.0	1122.0	12.0	2.7

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1200 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.047	34.0	10.5	5.5	0.8	1100.0	52.0	3.0	25.2
0.068	34.0	12.0	7.0	0.8	1100.0	75.0	3.5	15.6
0.1	34.0	13.5	9.0	0.8	1100.0	110.0	5.0	13.9
0.1	44.0	12.5	6.0	0.8	650.0	65.0	5.0	17.0
0.15	34.0	18.0	10.0	1.0	1100.0	165.0	6.0	10.0
0.15	44.0	14.0	7.5	1.0	650.0	98.0	6.0	13.0
0.22	34.0	20.5	12.5	1.0	1100.0	242.0	9.0	7.0
0.22	44.0	17.0	9.0	1.0	650.0	143.0	9.0	9.9
0.33	34.0	24.0	16.0	1.0	1100.0	363.0	9.0	5.9
0.33	44.0	20.0	12.0	1.0	650.0	215.0	9.0	7.0
0.47	44.0	22.5	14.5	1.0	650.0	306.0	9.0	6.2
0.68	44.0	28.0	16.5	1.2	650.0	442.0	12.0	5.1
1.0	44.0	32.5	21.0	1.2	650.0	650.0	12.0	4.4
1.0	57.0	28.0	16.5	1.2	385.0	385.0	12.0	4.9
1.2	44.0	34.5	23.5	1.2	650.0	780.0	12.0	3.9
1.2	57.0	30.0	19.0	1.2	385.0	462.0	12.0	4.4
1.5	44.0	38.0	27.0	1.2	650.0	975.0	12.0	3.5
1.5	57.0	32.5	21.5	1.2	385.0	578.0	12.0	3.9
2.0	57.0	36.5	25.5	1.2	385.0	770.0	12.0	3.4
2.2	57.0	38.0	27.0	1.2	385.0	847.0	12.0	3.3
2.5	57.0	40.1	29.0	1.2	385.0	963.0	12.0	3.0

Metallized Polypropylene Film Capacitor (Axial Lead) Snubber/Switching Application

SLV

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1500 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I rms (A)	ESR (mΩ)
0.068	34.0	15.0	8.5	0.8	1225.0	83.0	4.0	17.9
0.10	34.0	18.0	10.0	0.8	1225.0	123.0	5.5	12.5
0.15	34.0	21.0	13.0	1.0	1225.0	184.0	7.0	9.4
0.22	34.0	26.0	15.0	1.0	1225.0	270.0	9.0	6.9
0.22	44.0	20.0	12.0	1.0	800.0	176.0	9.0	9.1
0.33	44.0	23.5	15.5	1.0	800.0	264.0	9.0	6.9
0.47	44.0	29.0	18.0	1.2	800.0	376.0	11.0	5.6
0.68	44.0	33.5	22.0	1.2	800.0	544.0	12.0	4.8
1.0	44.0	39.0	28.0	1.2	800.0	800.0	12.0	4.2
1.0	57.0	33.5	22.5	1.2	570.0	570.0	12.0	4.8
1.2	57.0	36.0	25.0	1.2	570.0	684.0	12.0	4.4
1.5	57.0	40.0	28.5	1.2	570.0	855.0	12.0	3.8

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	2000 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I rms (A)	ESR (mΩ)
0.022	34.0	12.0	5.5	0.8	1750.0	39.0	2.5	44.9
0.033	34.0	13.5	7.0	0.8	1750.0	58.0	3.5	30.8
0.047	34.0	16.0	8.0	0.8	1750.0	82.0	4.5	21.8
0.047	44.0	13.0	6.5	0.8	1000.0	47.0	4.0	27.3
0.068	34.0	18.5	10.5	0.8	1750.0	119.0	5.5	15.3
0.068	44.0	14.5	8.0	0.8	1000.0	68.0	5.5	21.2
0.10	34.0	21.0	13.0	1.0	1750.0	175.0	7.5	10.9
0.10	44.0	18.0	10.0	1.0	1000.0	100.0	7.0	16.1
0.15	44.0	20.5	12.5	1.0	1000.0	150.0	9.0	8.6
0.22	44.0	24.0	16.0	1.0	1000.0	220.0	9.0	7.8
0.33	44.0	30.0	18.5	1.2	1000.0	330.0	12.0	6.1
0.47	44.0	35.0	23.5	1.2	1000.0	473.0	12.0	5.1
0.56	44.0	37.0	26.0	1.2	1000.0	560.0	12.0	4.7
0.56	57.0	31.5	20.0	1.2	640.0	358.0	12.0	5.9
0.68	57.0	34.0	23.0	1.2	640.0	435.0	12.0	5.2
1.0	57.0	40.0	29.0	1.2	640.0	640.0	12.0	4.3

DC-Link Application Capacitors

Series	Capacitance	Rated Voltage	Application	Page
DPB	0.68 μ F ~ 75.0 μ F	550VDC ~ 1200VDC	Switching Power Supplies UPS System & Solar Inverter Power Converters	61
DPK	4.7 μ F ~ 35.0 μ F	400VDC ~ 1500VDC	Switching Power Supplies UPS System & Solar Inverter Power Converters	69
DPG	33.0 μ F ~ 220.0 μ F	600VDC ~ 1300VDC	Switching Power Supplies UPS System & Solar Inverter Power Converters	71
DPM	500.0 μ F ~ 3000.0 μ F	700VDC ~ 3000VDC	Switching Power Supplies UPS System & Solar Inverter Power Converters	74
DPP	500.0 μ F ~ 3000.0 μ F	700VDC ~ 3000VDC	Switching Power Supply UPS System Industrial Inverter	78
DPS	70.0 μ F ~ 1400.0 μ F	900VDC ~ 1300VDC	Switching Power Supply UPS System Industrial Inverter	79

Metallized Polypropylene Film Capacitor (Radial Lead) DC-Link Application

DPB

订购基本规格

■ EXPLANATION OF ARTICLE CODE

D P B -	4 0 6	K	2 S	4	5 2	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPB
CODE	DPB-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	550V	600V	630V	700V	800V	850V	900V	1000V	1100V	1200V
CODE	2Y	2R	2J	2S	2K	2T	2U	3A	3L	3M

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑥ Lead Pitch(P) Unit: mm

Lead Pitch	27.5	37.5	52.5
CODE	27	37	52

⑦ Lead Pitch(P1) Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3
CODE	A	B	G	C	D

⑧ Lead Length

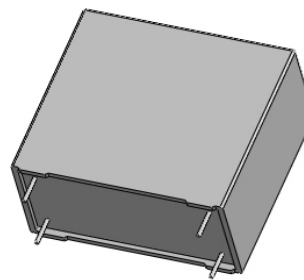
TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor (Radial Lead)

DC-Link Application

DPB

High capacitance DC Filter capacitor consists of wound metallized polypropylene film, plastic casing sealed with epoxy. This capacitor is suitable for use in DC filter circuits, solar inverter, and industrial inverter.



APPLICATIONS

Switching power supplies

UPS system

Power converters

Solar inverter

FEATURES

Low ESR and high current rating

High capacitance

Excellent stable performance and reliability

Flame retardant plastic case and epoxy resin

PCB mounting

4 leaded available

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance Range: $0.68\mu\text{F} \sim 75\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: $550\text{VDC} \sim 1200\text{VDC}$

Dissipation Factor: $\leq 1.0 \times 10^{-3}$ Measured at 100 HZ and 25°C

Dielectric Withstand: 1.5 x rated voltage for 10 seconds (terminal to terminal)

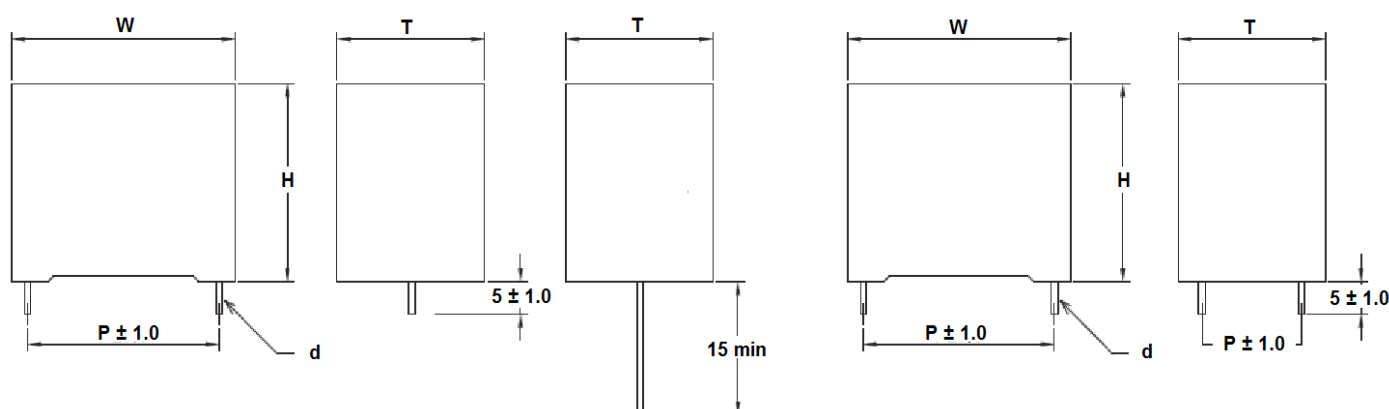
Terminals to Case: 3.0 KV 50HZ for 60 sec. @ 25°C

Insulation Resistance: $> 3,000 \text{ M}\Omega \cdot \mu\text{F/C}$ after 1 minutes of electrification @ 100 VDC & 25°C

Life Expectancy: 100,000 hours at U_r and 70°C

Self Inductance: $\leq 1\text{nH/mm}$ of lead spacing and lead length

Reference standard: IEC 61071



Metallized Polypropylene Film Capacitor (Radial Lead)

DC-Link Application

DPB

■ DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	550 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
3.3	32.0	20.0	11.0	27.5	0.8	27.0	89.1	5.0	22.0
5.0	32.0	22.0	13.0	27.5	0.8	27.0	135.0	6.0	16.5
6.8	32.0	24.5	15.0	27.5	0.8	27.0	183.6	7.0	11.0
7.5	32.0	28.0	14.0	27.5	0.8	27.0	202.5	8.0	10.0
10.0	32.0	33.0	18.0	27.5	0.8	27.0	270.0	10.0	8.0
12.0	32.0	33.0	18.0	27.5	0.8	27.0	324.0	11.0	7.0
15.0	32.0	37.0	22.0	27.5	0.8	27.0	405.0	12.0	6.0
20.0	42.5	40.0	20.0	37.5	1.0	19.0	380.0	11.5	7.0
25.0	42.5	37.0	28.0	37.5	1.0	19.0	475.0	12.0	6.5
30.0	42.5	37.0	28.0	37.5	1.0	19.0	570.0	13.5	6.0
35.0	42.5	45.0	30.0	37.5	1.2	19.0	665.0	15.0	5.5
40.0	42.5	45.0	30.0	37.5	1.2	19.0	760.0	15.0	5.5
50.0	57.5	45.0	30.0	52.5	1.2	12.5	625.0	14.0	6.5
60.0	57.5	45.0	30.0	52.5	1.2	12.5	750.0	15.0	6.0

■ DIMENSIONS for 2 leaded capacitor:

CAP(μF) SIZE R.V.	700 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.5	32.0	20.0	11.0	27.5	0.8	31.0	77.5	3.5	28.0
3.3	32.0	22.0	13.0	27.5	0.8	31.0	102.3	4.5	22.0
4.7	32.0	24.5	15.0	27.5	0.8	31.0	145.7	5.5	15.0
10.0	32.0	33.0	18.0	27.5	0.8	31.0	310.0	10.0	7.0
12.0	32.0	37.0	22.0	27.5	0.8	31.0	372.0	11.5	6.0
15.0	42.5	33.5	22.0	37.5	1.0	21.0	315.0	9.0	9.0
20.0	42.5	37.0	28.0	37.5	1.0	21.0	420.0	11.0	7.0
22.0	42.5	44.0	24.0	37.5	1.0	21.0	462.0	13.0	6.0
25.0	42.5	44.0	24.0	37.5	1.0	21.0	525.0	13.5	5.5
30.0	42.5	45.0	30.0	37.5	1.2	21.0	630.0	16.0	4.5
40.0	57.5	45.0	30.0	52.5	1.2	14.5	580.0	13.0	6.5
45.0	57.5	45.0	30.0	52.5	1.2	14.5	652.5	14.5	6.0
50.0	57.5	50.0	35.0	52.5	1.2	14.5	725.0	15.0	5.5
55.0	57.5	50.0	35.0	52.5	1.2	14.5	797.5	17.0	5.0
60.0	57.5	50.0	35.0	52.5	1.2	14.5	870.0	18.0	4.5

Metallized Polypropylene Film Capacitor (Radial Lead)

DC-Link Application

DPB

■ DIMENSIONS for 2 leaded capacitor:

CAP(μF) SIZE R.V.	800 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.2	32.0	20.0	11.0	27.5	0.8	36.0	79.2	4.0	30.0
3.0	32.0	24.5	15.0	27.5	0.8	36.0	108.0	4.5	21.0
4.0	32.0	22.0	13.0	27.5	0.8	36.0	144.0	5.5	16.0
5.0	32.0	25.0	16.0	27.5	0.8	36.0	180.0	7.0	13.0
6.8	32.0	33.0	18.0	27.5	0.8	36.0	244.8	8.5	12.0
7.5	32.0	33.0	18.0	27.5	0.8	36.0	270.0	9.5	11.0
10.0	32.0	37.0	22.0	27.5	0.8	36.0	360.0	10.5	10.0
12.0	42.5	33.5	22.0	37.5	1.0	24.0	288.0	8.5	11.0
15.0	42.5	40.0	20.0	37.5	1.0	24.0	360.0	10.0	11.0
20.0	42.5	44.0	24.0	37.5	1.0	24.0	480.0	13.0	6.0
22.0	42.5	45.0	30.0	37.5	1.2	24.0	528.0	14.5	5.5
25.0	42.5	45.0	30.0	37.5	1.2	24.0	600.0	15.5	5.0
30.0	57.5	45.0	30.0	52.5	1.2	16.5	495.0	12.0	8.0
40.0	57.5	50.0	35.0	52.5	1.2	16.5	660.0	14.5	6.0
47.0	57.5	50.0	35.0	52.5	1.2	16.5	775.5	16.5	5.5

■ DIMENSIONS for 2 leaded capacitor:

CAP(μF) SIZE R.V.	900 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.2	32.0	22.0	13.0	27.5	0.8	41.5	91.3	3.7	30.0
2.5	32.0	22.0	13.0	27.5	0.8	41.5	103.8	4.3	26.0
3.0	32.0	24.5	15.0	27.5	0.8	41.5	124.5	5.0	21.0
3.3	32.0	28.0	14.0	27.5	0.8	41.5	137.0	5.0	20.0
7.5	32.0	37.0	22.0	27.5	0.8	41.5	311.3	9.5	15.0
10.0	42.5	33.5	22.0	37.5	1.0	28.0	280.0	8.5	12.0
15.0	42.5	44.0	24.0	37.5	1.0	28.0	420.0	11.0	8.0
20.0	42.5	45.0	30.0	37.5	1.2	18.5	560.0	14.0	6.0
25.0	57.5	45.0	30.0	52.5	1.2	18.5	462.5	11.0	10.0
35.0	57.5	50.0	35.0	52.5	1.2	18.5	647.5	14.5	7.0

Metallized Polypropylene Film Capacitor (Radial Lead)

DC-Link Application

DPB

DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	1000 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
1.5	32.0	20.0	11.0	27.5	0.8	47.0	70.5	4.5	43.0
2.0	32.0	22.0	13.0	27.5	0.8	47.0	94.0	5.5	39.0
2.5	32.0	24.5	15.0	27.5	0.8	47.0	117.5	6.0	23.0
3.0	32.0	28.0	14.0	27.5	0.8	47.0	141.0	7.0	19.0
4.7	32.0	33.0	18.0	27.5	0.8	47.0	220.9	9.0	16.5
5.0	32.0	33.0	18.0	27.5	0.8	47.0	235.0	9.0	15.0
6.8	32.0	37.0	22.0	27.5	0.8	47.0	319.6	11.0	14.0
7.5	42.5	33.5	22.0	37.5	1.0	31.0	232.5	10.0	14.0
9.0	42.5	40.0	20.0	37.5	1.0	31.0	279.0	11.0	14.0
10.0	42.5	40.0	20.0	37.5	1.0	31.0	310.0	11.0	13.0
12.0	42.5	44.0	24.0	37.5	1.0	31.0	372.0	12.0	9.5
15.0	42.5	45.0	30.0	37.5	1.2	31.0	465.0	14.0	8.0
22.0	57.5	45.0	30.0	52.5	1.2	21.0	462.0	13.0	7.5
30.0	57.5	50.0	35.0	52.5	1.2	21.0	630.0	14.0	7.0

DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	1100 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
1.2	32.0	20.0	11.0	27.5	0.8	70.0	84.0	3.4	40.5
1.5	32.0	22.0	13.0	27.5	0.8	70.0	105.0	3.8	34.5
2.0	32.0	24.5	15.0	27.5	0.8	70.0	140.0	4.5	23.0
2.2	32.0	24.5	15.0	27.5	0.8	70.0	154.0	4.9	21.6
2.5	32.0	28.0	14.0	27.5	0.8	70.0	175.0	5.3	19.5
3.3	32.0	33.0	18.0	27.5	0.8	70.0	231.0	6.8	14.0
4.0	32.0	33.0	18.0	27.5	0.8	70.0	280.0	8.0	11.5
4.7	32.0	37.0	22.0	27.5	0.8	70.0	329.0	8.6	10.0
6.8	42.5	33.5	22.0	37.5	1.0	45.0	306.0	11.0	14.0
7.5	42.5	33.5	22.0	37.5	1.0	45.0	337.5	11.5	12.0
10.0	42.5	44.0	24.0	37.5	1.0	45.0	450.0	14.0	9.0
12.0	42.5	45.0	30.0	37.5	1.2	45.0	540.0	15.5	7.5
20.0	57.5	45.0	30.0	52.5	1.2	23.0	460.0	14.0	9.0
22.0	57.5	50.0	35.0	52.5	1.2	23.0	506.0	15.5	8.0
25.0	57.5	50.0	35.0	52.5	1.2	23.0	575.0	16.0	7.0

Metallized Polypropylene Film Capacitor (Radial Lead)

DC-Link Application

DPB

DIMENSIONS for 2 leaded capacitor:

R.V. SIZE CAP(μF)	1200 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	I peak (A)	dv/dt (v/us)	I _{rms} (A)	ESR (mΩ)
0.68	32.0	20.0	11.0	27.5	0.8	80.0	54.4	2.2	65.5
1.0	32.0	22.0	13.0	27.5	0.8	80.0	80.0	3.0	43.0
1.5	32.0	24.5	15.0	27.5	0.8	80.0	120.0	4.0	32.5
2.0	32.0	33.0	18.0	27.5	0.8	80.0	160.0	5.0	22.0
2.2	32.0	33.0	18.0	27.5	0.8	80.0	176.0	5.5	20.0
2.5	32.0	33.0	18.0	27.5	0.8	80.0	200.0	5.8	18.0
3.0	32.0	33.0	18.0	27.5	0.8	80.0	240.0	6.5	14.5
3.3	32.0	37.0	22.0	27.5	0.8	80.0	264.0	7.2	13.0
4.0	32.0	37.0	22.0	27.5	0.8	80.0	320.0	8.0	11.0
4.7	42.5	33.5	22.0	37.5	1.0	55.0	258.5	6.3	20.0
5.0	42.5	33.5	22.0	37.5	1.0	55.0	275.0	6.5	17.0
6.8	42.5	44.0	24.0	37.5	1.0	55.0	374.0	8.0	14.5
7.5	42.5	44.0	24.0	37.5	1.0	55.0	412.5	8.8	11.5
10.0	42.5	45.0	30.0	37.5	1.2	55.0	550.0	11.0	8.5
12.0	57.5	45.0	30.0	52.5	1.2	35.0	420.0	9.0	14.0
15.0	57.5	45.0	30.0	52.5	1.2	35.0	525.0	10.0	11.0
20.0	57.5	50.0	35.0	52.5	1.2	35.0	700.0	13.0	8.5

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	550 VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
15.0	32.0	37.0	22.0	27.5	10.2	0.8	27.0	475.0	13.0	8.0
20.0	42.5	40.0	20.0	37.5	10.2	1.2	19.0	380.0	12.5	6.5
25.0	42.5	37.0	28.0	37.5	10.2	1.2	19.0	475.0	13.0	6.0
30.0	42.5	37.0	28.0	37.5	10.2	1.2	19.0	570.0	14.5	5.5
35.0	42.5	45.0	30.0	37.5	20.3	1.2	19.0	665.0	16.0	5.0
40.0	42.5	45.0	30.0	37.5	20.3	1.2	19.0	760.0	16.0	5.0
50.0	57.5	45.0	30.0	52.5	20.3	1.2	12.5	625.0	15.0	6.0
60.0	57.5	45.0	30.0	52.5	20.3	1.2	12.5	750.0	16.0	5.5
75.0	57.5	50.0	35.0	52.5	20.3	1.2	12.5	937.5	17.0	5.0

Metallized Polypropylene Film Capacitor (Radial Lead) DC-Link Application

DPB

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	700 VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
12.0	32.0	37.0	22.0	27.5	10.2	0.8	31.0	372.0	12.5	8.5
15.0	42.5	33.5	22.0	37.5	10.2	1.2	21.0	315.0	10.0	8.0
20.0	42.5	37.0	28.0	37.5	10.2	1.2	21.0	420.0	12.0	6.0
22.0	42.5	44.0	24.0	37.5	10.2	1.2	21.0	462.0	14.0	5.5
25.0	42.5	44.0	24.0	37.5	10.2	1.2	21.0	525.0	14.5	5.0
30.0	42.5	45.0	30.0	37.5	20.3	1.2	21.0	630.0	17.0	4.0
40.0	57.5	45.0	30.0	52.5	20.3	1.2	14.5	580.0	14.0	6.0
45.0	57.5	45.0	30.0	52.5	20.3	1.2	14.5	652.5	15.5	5.5
50.0	57.5	50.0	35.0	52.5	20.3	1.2	14.5	725.0	16.0	5.0
55.0	57.5	50.0	35.0	52.5	20.3	1.2	14.5	797.5	18.0	4.5
60.0	57.5	50.0	35.0	52.5	20.3	1.2	14.5	870.0	19.0	4.0

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	800 VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
10.0	32.0	37.0	22.0	27.5	10.2	0.8	36.0	360.0	11.5	9.5
12.0	42.5	33.5	22.0	37.5	10.2	1.2	24.0	288.0	9.5	10.5
15.0	42.5	40.0	20.0	37.5	10.2	1.2	24.0	360.0	11.0	10.5
20.0	42.5	44.0	24.0	37.5	10.2	1.2	24.0	480.0	14.0	5.5
22.0	42.5	45.0	30.0	37.5	20.3	1.2	24.0	528.0	15.5	5.0
25.0	42.5	45.0	30.0	37.5	20.3	1.2	24.0	600.0	16.5	4.5
30.0	57.5	45.0	30.0	52.5	20.3	1.2	16.5	495.0	13.0	7.5
40.0	57.5	50.0	35.0	52.5	20.3	1.2	16.5	660.0	15.5	5.5
47.0	57.5	50.0	35.0	52.5	20.3	1.2	16.5	775.5	17.5	5.0

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	900 VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	I peak (A)	dv/dt (v/us)	Irms (A)	ESR (mΩ)
7.5	32.0	37.0	22.0	27.5	10.2	0.8	311.3	41.5	10.5	14.5
10.0	42.5	33.5	22.0	37.5	10.2	1.2	280.0	28.0	9.5	11.5
15.0	42.5	44.0	24.0	37.5	10.2	1.2	420.0	28.0	12.0	7.5
20.0	42.5	45.0	30.0	37.5	20.3	1.2	560.0	28.0	15.0	5.5
25.0	57.5	45.0	45.0	52.5	20.3	1.2	462.5	18.5	12.0	9.5
35.0	57.5	50.0	35.0	52.5	20.3	1.2	647.5	18.5	15.0	6.5

Metallized Polypropylene Film Capacitor (Radial Lead)

DC-Link Application

DPB

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	1000 VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	I peak (A)	dv/dt (v/us)	Irms (A)	ESR (mΩ)
6.8	32.0	37.0	22.0	27.5	10.2	0.8	319.6	47.0	12.0	13.5
7.5	42.5	33.5	22.0	37.5	10.2	1.2	232.5	31.0	11.0	13.5
9.0	42.5	40.0	20.0	37.5	10.2	1.2	279.0	31.0	12.0	13.0
10.0	42.5	40.0	20.0	37.5	10.2	1.2	310.0	31.0	12.0	12.5
12.0	42.5	44.0	24.0	37.5	10.2	1.2	372.0	31.0	13.0	9.0
15.0	42.5	45.0	30.0	37.5	20.3	1.2	465.0	31.0	15.0	7.5
22.0	57.5	45.0	30.0	52.5	20.3	1.2	462.0	21.0	14.0	7.0
30.0	57.5	50.0	35.0	52.5	20.3	1.2	630.0	21.0	15.0	6.5

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	1100VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	I peak (A)	dv/dt (v/us)	Irms (A)	ESR (mΩ)
4.7	32.0	37.0	22.0	27.5	10.2	0.8	329.0	70.0	9.6	9.5
5.0	32.0	37.0	22.0	27.5	10.2	0.8	350.0	70.0	13.0	6.1
6.8	42.5	33.5	22.0	37.5	10.2	1.2	306.0	45.0	12.0	13.5
7.5	42.5	33.5	22.0	37.5	10.2	1.2	337.5	45.0	12.5	11.5
10.0	42.5	44.0	24.0	37.5	10.2	1.2	450.0	45.0	15.0	8.5
12.0	42.5	45.0	30.0	37.5	20.3	1.2	540.0	45.0	16.5	7.0
20.0	57.5	45.0	30.0	52.5	20.3	1.2	460.0	23.0	15.0	8.5
22.0	57.5	50.0	35.0	52.5	20.3	1.2	506.0	23.0	16.5	7.5
25.0	57.5	50.0	35.0	52.5	20.3	1.2	575.0	23.0	17.0	6.5

DIMENSIONS for 4 leaded capacitor:

R.V. SIZE CAP(μF)	1200 VDC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	I peak (A)	dv/dt (v/us)	Irms (A)	ESR (mΩ)
3.3	32.0	37.0	22.0	27.5	10.2	0.8	264.0	80.0	8.2	12.5
4.0	32.0	37.0	22.0	27.5	10.2	0.8	320.0	80.0	9.0	10.5
4.7	42.5	33.5	22.0	37.5	10.2	1.2	258.5	55.0	7.3	19.5
5.0	42.5	33.5	22.0	37.5	10.2	1.2	275.0	55.0	7.5	16.5
6.8	42.5	44.0	24.0	37.5	10.2	1.2	374.0	55.0	9.0	14.0
7.5	42.5	37.0	28.0	37.5	10.2	1.2	412.5	55.0	9.8	11.0
10.0	42.5	45.0	30.0	37.5	20.3	1.2	550.0	55.0	12.0	8.0
12.0	57.5	45.0	30.0	52.5	20.3	1.2	420.0	35.0	10.0	13.5
15.0	57.5	45.0	30.0	52.5	20.3	1.2	525.0	35.0	11.0	10.5
20.0	57.5	50.0	35.0	52.5	20.3	1.2	700.0	35.0	14.0	8.0

Metallized Polypropylene Film Capacitor (Plastic Case) DC-Link Application

DPK

订购基本规格

■ EXPLANATION OF ARTICLE CODE

DPK -	306	K	2R	S	13	A	8
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPK
CODE	DPK-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

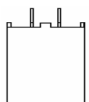
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	400V	500V	600V	700V	800V	900V	1000V	1200V	1500V
CODE	2G	2H	2R	2S	2K	2U	3A	3M	3N

⑤ Terminal Configuration

CODE	S
LEAD TYPE	

⑥ Terminal Pitch (P1)

Lead Pitch	12.7
CODE	13

⑦ Terminal Pitch (P2)

Lead Pitch	5.1
CODE	A

⑧ Terminal Length

Lead Length	7.6	3.8
CODE	8	4

Metallized Polypropylene Film Capacitor (Plastic Case) DC-Link Application

DPK

High capacitance DC-Link Capacitor consists of wound metallized polypropylene film, round plastic casing sealed with epoxy. This capacitor is suitable for use in DC filter circuits, solar inverter, and industrial inverter.



APPLICATIONS

Switching power supplies

UPS system

Power converters

Solar inverter

FEATURES

Low ESR and high current rating

High capacitance

Excellent stable performance and reliability

Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Capacitance range: 4.7 μ F ~ 35 μ F

Capacitance Tolerance: $\pm 10\%$ (K)

Dielectric Withstand: 1.5x rated voltage for 10 seconds (terminal to terminal)

Terminals to Case: 3.0 KV 50/60 HZ for 60 sec. @ 25 °C

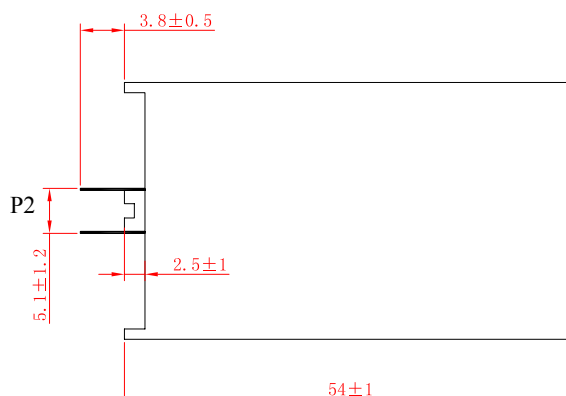
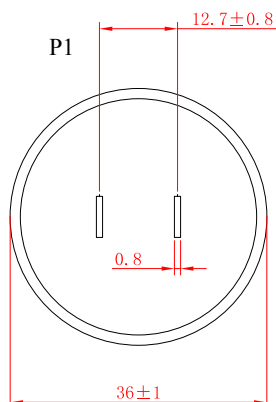
Expedance Life: 1,000 hours @ 70 °C, rated voltage Un

Reference Standard: IEC 61071

Lead Terminations: Tinned copper leads (RoHS compliant)

DIMENSIONS / 产品尺寸

CAP(μ F)	SIZE	R.V.						
		WVDC	OD (mm)	W (mm)	dv/dt (v/us)	Ipeak (A)	Irms (A)	ESR (m Ω)
4.7	1500	36.0	54.0	70.0	329.0	13.0	17.0	5.2
7.5	1200	36.0	54.0	60.0	450.0	14.0	15.0	5.1
10.0	1000	36.0	54.0	50.0	500.0	15.5	14.0	4.5
13.5	900	36.0	54.0	40.0	540.0	16.0	13.0	4.5
15.0	800	36.0	54.0	40.0	600.0	16.5	12.0	4.6
20.0	700	36.0	54.0	35.0	700.0	17.0	12.0	4.3
30.0	400	36.0	54.0	30.0	900.0	22.0	8.0	3.9
30.0	600	36.0	54.0	30.0	900.0	18.5	11.0	4.0
35.0	500	36.0	54.0	25.0	875.0	20.0	10.0	3.8



Metallized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

订购基本规格

■ EXPLANATION OF ARTICLE CODE

D P G -	2 0 7	K	2 S	A	4 5	H	A
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPG
CODE	DPG-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	600V	700V	800V	900V	1000V	1100V	1200V	1300V
CODE	2R	2S	2K	2U	3A	3L	3M	6A

⑤ Terminal Configuration

FORM	Male	Female
CODE	A	B

⑥ Terminal Pitch

Lead SPACE	37.5	41.5	45.0	52.5
CODE	37	41	45	52

⑦ Terminal

TERMINAL	M6	M8	M10
CODE	F	H	J

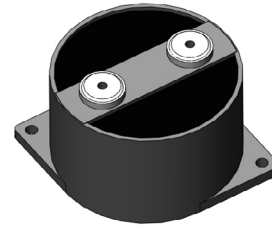
⑧ Terminal Length

FORM	STUD		INSERT
LENGTH	20.0	10.0	5.0
CODE	A	B	5

Metallized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

High capacitance DC-Link capacitor consists of wound metallized polypropylene film, round plastic casing sealed with epoxy. This capacitor is suitable for use in DC filter circuits, solar inverter, industrial inverter and able to replace electrolytic capacitors.



APPLICATIONS

Switching power supplies

UPS system

Power converters

Solar inverter

FEATURES

Low ESR and high current rating

High capacitance

Excellent stable performance and reliability

Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Capacitance Range: $33.0\mu\text{F} \sim 220.0\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: $600\text{VDC} \sim 1300\text{VDC}$

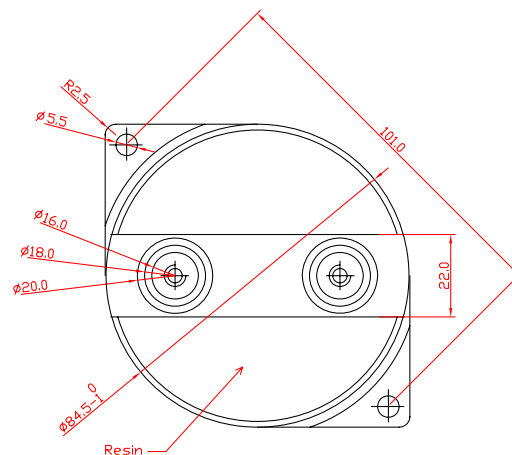
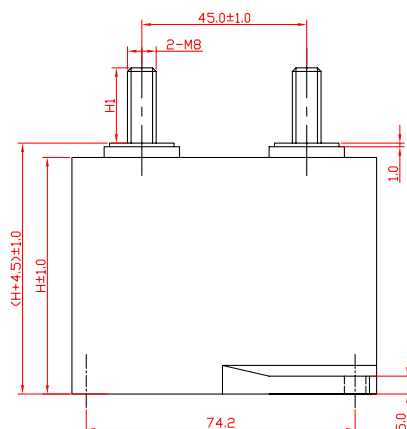
Dissipation Factor: ≤ 0.002 at 100HZ , 25°C

Dielectric Strength: $1.5 \times$ rated voltage for 10s (terminal to terminal)

Terminals to Case: 4.0 KV for 60 sec. @ 25°C

Reference Standard: GB/T 17702, IEC 61071

Life Expectancy: 100,000 hours at $U_n @ 70^{\circ}\text{C}$



Metallized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	600 VDC					
	OD (mm)	H (mm)	ESL (nH)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
100.0	85.0	40.0	25.0	100.0	1.3	5.0
150.0	85.0	51.0	30.0	95.0	1.4	7.0
220.0	85.0	64.0	40.0	95.0	1.5	9.0

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	800 VDC					
	OD (mm)	H (mm)	ESL (nH)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
66.0	85.0	40.0	20.0	90.0	1.5	5.0
100.0	85.0	51.0	40.0	85.0	1.8	7.0
140.0	85.0	64.0	40.0	75.0	2.5	9.0

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1000 VDC					
	OD (mm)	H (mm)	ESL (nH)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
66.0	85.0	40.0	25.0	70.0	2.0	5.0
100.0	85.0	51.0	30.0	65.0	2.5	7.0
120.0	85.0	51.0	35.0	57.0	2.8	8.0
140.0	85.0	64.0	40.0	50.0	3.0	9.0

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1200 VDC					
	OD (mm)	H (mm)	ESL (nH)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
47.0	85.0	40.0	25.0	65.0	2.2	5.0
70.0	85.0	51.0	30.0	60.0	2.9	7.0
100.0	85.0	64.0	40.0	50.0	3.4	9.0

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	1300 VDC					
	OD (mm)	H (mm)	ESL (nH)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
33.0	85.0	40.0	25.0	60.0	2.5	5.0
52.0	85.0	51.0	30.0	55.0	3.2	7.0
70.0	85.0	64.0	40.0	45.0	4.0	9.0

Metallized Polypropylene Film Capacitor (Aluminium Can) DC-Link Application

DPM

订购基本规格

■ EXPLANATION OF ARTICLE CODE

D P M -	1 6 7	K	3 M	C	4 5	F	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPM
CODE	DPM-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

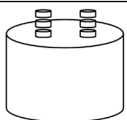
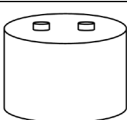
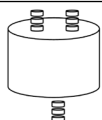
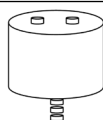
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	600V	630V	700V	800V	850V	900V	1000V	1100V	1200V	1300V
CODE	2R	2J	2S	2K	2T	2U	3A	3L	3M	6A

⑤ Terminal Configuration

FORM	THREADED STUD	THREADED INSERT	THREADED STUD + MOUNTING	THREADED INSERT + MOUNTING
CODE	A	B	C	J
FORM STYLE				

⑥ Terminal Pitch

Lead SPACE	31.5	45.0	50.0
CODE	31	45	50

⑦ Terminal

TERMINAL	M6	M8	M10
CODE	F	H	J

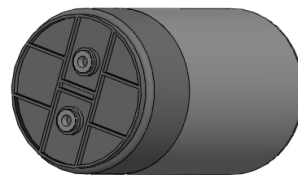
⑧ Terminal Length

FORM	STUD		INSERT	
LENGTH	20.0	15.0	2.0	5.0
CODE	A	B	2	5

Metallized Polypropylene Film Capacitor (Aluminium Can) DC-Link Application

DPM

High capacitance DC-Link capacitor consists of wound metallized polypropylene film, aluminium casing sealed with epoxy. This capacitor is suitable for use in DC filter circuits, solar inverter, industrial inverter and able to replace electrolytic capacitors.



APPLICATIONS

Switching power supplies

UPS system

Power converters

Solar inverter

FEATURES

High ripple current

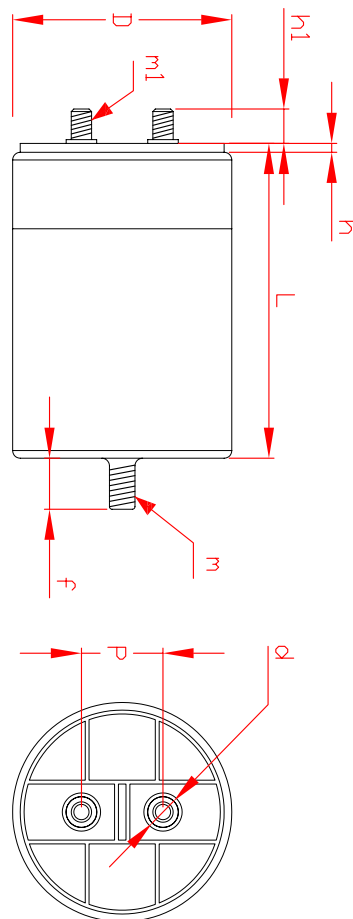
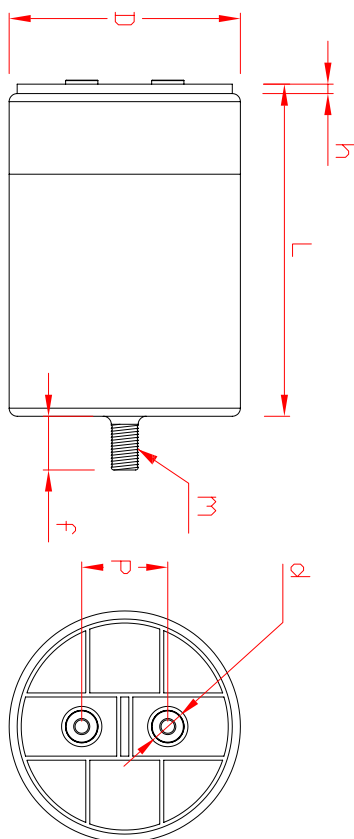
High capacitance

Excellent stable performance and reliability

Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature Range (Hot - Spot):	-40°C ~ +85°C
Capacitance Range:	70μF ~ 1400μF
Capacitance Tolerance:	±10%(K)
Rated Voltage:	900VDC ~ 1300VDC
Dissipation Factor:	≤0.002 at 100HZ, 25 °C
Dielectric Strength:	1.5 x rated voltage for 10s (terminal to terminal)
Terminals to Case:	3.0 KV for 60 sec. @ 25 °C
Life Expectancy:	100,000 hours at Un @70°C (Hot-spot temperature)
Reference Standard:	IEC 61071



Metallized Polypropylene Film Capacitor (Aluminium Can) DC-Link Application

DPM

■ DIMENSIONS / 产品尺寸

R.V. SIZE CAP(μF)	900 VDC						
	OD (mm)	L (mm)	ESL (nH)	I peak (A)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
160.0	75.0	85.0	≤80	640	40.0	2.9	4.8
220.0	85.0	85.0	≤60	880	50.0	2.5	4.3
260.0	75.0	110.0	≤80	1040	45.0	3.7	4.6
350.0	85.0	110.0	≤60	1400	50.0	3.2	4.1
400.0	75.0	135.0	≤80	1600	45.0	5.0	4.2
480.0	85.0	125.0	≤60	1920	55.0	3.7	4.0
550.0	85.0	135.0	≤60	2200	50.0	4.0	3.9
750.0	85.0	180.0	≤60	3000	55.0	4.9	3.5

■ DIMENSIONS / 产品尺寸

R.V. SIZE CAP(μF)	1100 VDC						
	OD (mm)	L (mm)	ESL (nH)	I peak (A)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
100.0	75.0	85.0	≤80	400	35.0	3.3	4.8
140.0	85.0	85.0	≤60	560	45.0	2.8	4.3
170.0	75.0	110.0	≤80	680	40.0	4.2	4.6
230.0	85.0	125.0	≤80	920	40.0	5.4	4.3
260.0	75.0	135.0	≤80	1040	40.0	5.8	4.2
310.0	85.0	125.0	≤60	1240	50.0	4.2	4.0
350.0	85.0	135.0	≤80	1400	40.0	7.3	3.8
380.0	85.0	142.0	≤60	1600	55.0	3.2	3.9
420.0	85.0	142.5	≤60	1680	55.0	3.5	3.9
420.0	85.0	161.0	≤60	1680	55.0	3.6	3.9
480.0	85.0	180.0	≤60	1920	50.0	5.6	3.5

■ DIMENSIONS / 产品尺寸

R.V. SIZE CAP(μF)	1300 VDC						
	OD (mm)	L (mm)	ESL (nH)	I peak (A)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
70.0	75.0	85.0	≤80	280	35.0	3.7	4.8
110.0	75.0	110.0	≤80	440	35.0	5.0	4.6
160.0	75.0	125.0	≤80	640	40.0	6.0	4.3
180.0	75.0	135.0	≤80	720	40.0	6.7	4.2
220.0	85.0	125.0	≤60	880	45.0	4.7	4.0
260.0	85.0	142.0	≤60	1040	45.0	5.1	3.9
340.0	85.0	180.0	≤60	1360	50.0	6.4	3.5

Metallized Polypropylene Film Capacitor (Aluminium Can) DC-Link Application

DPM

■ DIMENSIONS / 产品尺寸

R.V. SIZE CAP(μF)	900 VDC						
	OD (mm)	L (mm)	ESL (nH)	I peak (A)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
440.0	116.0	85.0	≤60	1760	65.0	2.0	4.6
700.0	116.0	110.0	≤60	2800	70.0	2.3	4.2
970.0	116.0	135.0	≤60	3880	75.0	2.5	3.5
1000.0	116.0	142.0	≤60	4400	75.0	2.6	3.2
1400.0	116.0	180.0	≤60	6000	80.0	3.2	2.8

■ DIMENSIONS / 产品尺寸

R.V. SIZE CAP(μF)	1100 VDC						
	OD (mm)	L (mm)	ESL (nH)	I peak (A)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
300.0	116.0	85.0	≤60	1120	60.0	2.1	4.6
450.0	116.0	110.0	≤60	1800	65.0	2.5	4.2
600.0	116.0	135.0	≤60	2440	70.0	2.9	3.5
700.0	116.0	142.0	≤60	2800	70.0	3.0	3.2
900.0	116.0	180.0	≤60	3760	70.0	2.1	2.8
1100.0	116.0	230.0	≤60	4400	80.0	2.0	2.6

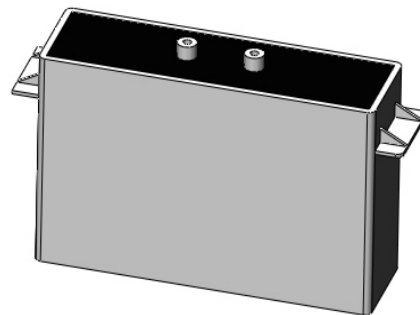
■ DIMENSIONS / 产品尺寸

R.V. SIZE CAP(μF)	1300 VDC						
	OD (mm)	L (mm)	ESL (nH)	I peak (A)	I _{rms} (A)	ESR (mΩ)	R _{th} (°C/W)
300.0	116.0	110.0	≤60	1240	65.0	2.6	4.2
420.0	116.0	135.0	≤60	1680	65.0	3.2	3.5
470.0	116.0	142.0	≤60	1920	70.0	3.4	3.2
660.0	116.0	180.0	≤60	2640	70.0	4.1	2.8

Metallized Polypropylene Film Capacitor (Plastic Case)

DPP

High capacity DC-Link capacitors consist of wound metallized polypropylene film, filled with flame retardent resin. Many windings are internally connected in parallel or serial according to voltage rating. These capacitors are suitable for use in DC-Link applications such as solar inverter, industrial inverter, variable speed drive etc.



■ APPLICATIONS

Switching power supply

UPS system

Industrial inverter

■ SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Capacitance range: $500.0\ \mu\text{F} \sim 3000.0\ \mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Dissipation Factor: 1.0% max 100 Hz, 25°C

Rated Voltage: 700 VDC $\sim$ 3000 VDC

■ FEATURES

High current rating and lower ESR

Self-healing properties

Flame retardent resin/plastic case

Best performance with lower cost

■ TEST DATA

Voltage Between Terminals(Utt): 150% of rated voltage for 10 sec.

Voltage Between Terminals and case(Utc): 3000VAC, 60S at 50Hz.

■ DIMENSIONS :

TYPE	L ± 2.0	W ± 2.0	H ± 2.0	P ± 1.0
700V/1500 μF	210.0	65.0	162.0	50.0
1000V/3000 μF	300.0	120.0	250.0	100.0
2000V/1000 μF	300.0	120.0	300.0	100.0
3000V/500 μF	300.0	120.0	400.0	100.0

Remarks: These capacitors are customized products. Other type and dimensions are available on request.

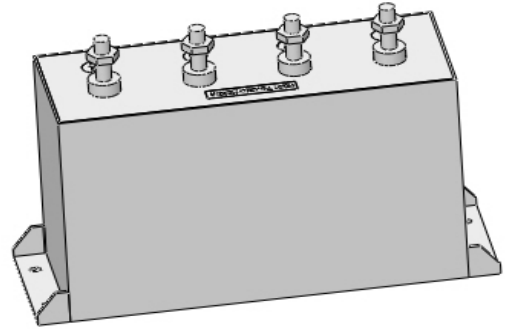
* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Stainless Steel Case)

DPS

High capacity DC-Link capacitors consist of wound metallized polypropylene film, filled with flame retardent resin. Many windings are internally connected in parallel or serial according to voltage rating. These capacitors are suitable for use in DC-Link applications such as solar inverter, industrial inverter, variable speed drive etc.



■ APPLICATIONS

Switching power supply

UPS system

Industrial inverter

■ SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Capacitance range: $500.0\ \mu\text{F} \sim 3000.0\ \mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Dissipation Factor: 1.0% max 100 Hz, 25°C

Rated Voltage: 700 VDC $\sim$ 3000 VDC

■ FEATURES

High current rating and lower ESR

Self-healing properties

Flame retardent resin

Stainless steel case

Heavy robust structure

■ TEST DATA

Voltage Between Terminals(U_{tt}): 150% of rated voltage for 10 sec.

Voltage Between Terminals and case(U_{tc}): 3000VAC, 60S at 50Hz.

■ DIMENSIONS :

TYPE	L ± 2.0	W ± 2.0	H ± 2.0	P ± 1.0
700V/1500 μF	210.0	65.0	162.0	50.0
1000V/3000 μF	300.0	120.0	250.0	100.0
2000V/1000 μF	300.0	120.0	300.0	100.0
3000V/500 μF	300.0	120.0	400.0	100.0

Remarks: These capacitors are customized products. Other type and dimensions are available on request.

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

High Frequency/Switching Application Capacitors

Series	Capacitance	Rated Voltage	Application	Page
FPB	0.10 μ F ~ 60.0 μ F	250VDC ~ 850VDC	Motor Speed Controls Switching Mode Power Supplies Induction Heaters	81
FPW	0.10 μ F ~ 60.0 μ F	250VDC ~ 850VDC	Motor Speed Controls Switching Mode Power Supplies Induction Heaters	88
FPV	0.10 μ F ~ 60.0 μ F	250VDC ~ 850VDC	Motor Speed Controls Switching Mode Power Supplies Induction Heaters	94

Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

订购基本规格

■ EXPLANATION OF ARTICLE CODE

F P B -	2 5 6	K	2 G	4	5 2	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	FPB
CODE	FPB-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250V	300V	400V	450V	500V	550V	600V	630V	700V	800V	850V	900V	1000V	1100V	1200V
CODE	2E	2F	2G	2W	2H	2Y	2R	2J	2S	2K	2T	2U	3A	3L	3M

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑥ Lead Pitch(P)

Unit: mm

Lead Pitch	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5
CODE	22	27	32	37	42	47	52	57

⑦ Lead Pitch(P1)

Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3
CODE	A	B	G	C	D

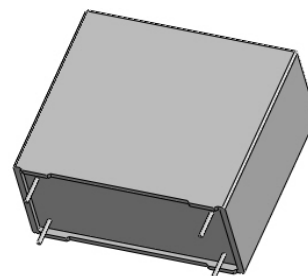
⑧ Lead Length

TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

High current switching capacitor consists of wound metallized polypropylene film, plastic casing sealed with epoxy. They are suitable for industrial and motor speed controls, switching mode power supplies, resonant circuits and induction heaters.



APPLICATIONS

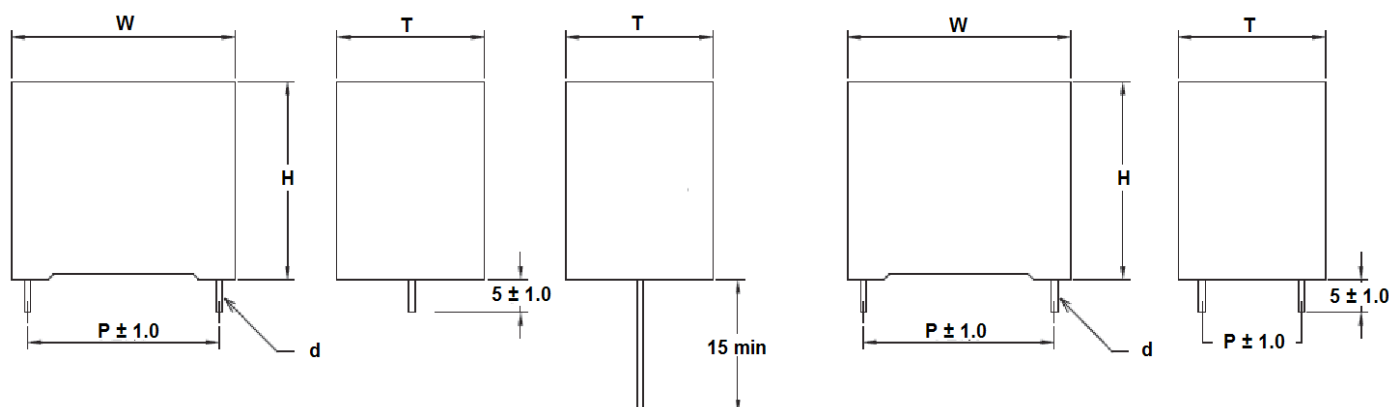
Motor speed controls
Switching mode power supplies
Resonant circuits
Induction heaters

FEATURES

Low losses and high ripple current
Self-healing properties
High contact reliability
Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature:	-40°C ~ +85°C
Capacitance Range:	0.10μF ~ 60.0μF
Capacitance Tolerance:	±5%(J), ±10%(K)
Rated Voltage:	250VDC ~ 850VDC
Dissipation Factor: (1 kHz, 25 °C)	C ≤ 5μF 0.08% max 5μF < C ≤ 30μF 0.1% max C > 30μF 0.2% max
Dielectric Withstand:	1.5 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	>3,000 MΩ.μF/C after 1 minutes of electrification @ 100 VDC & 25 °C
Terminals to Case:	3.0 KV 50HZ for 60 sec. @ 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Lead Terminations:	Tinned copper leads (RoHS compliant)



Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

■ DIMENSIONS for 2 leaded capacitor :

R.V. SIZE CAP(μF)	250 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.0	26.5	16.0	7.0	0.8	50.0	50.0	4.5	7.2
1.5	26.5	17.0	8.5	0.8	50.0	75.0	6.5	5.8
1.5	32.0	20.0	11.0	0.8	40.0	60.0	6.5	6.8
2.0	26.5	20.0	11.0	0.8	50.0	100.0	7.5	5.0
2.0	32.0	20.0	11.0	0.8	40.0	80.0	7.0	5.8
2.2	26.5	20.0	11.0	0.8	50.0	110.0	7.5	4.8
2.2	32.0	20.0	11.0	0.8	40.0	88.0	7.0	5.5
3.0	32.0	22.0	13.0	1.0	40.0	120.0	9.0	4.5
3.3	32.0	22.0	13.0	1.0	40.0	132.0	9.5	4.1
4.0	32.0	22.0	13.0	1.0	40.0	160.0	10.5	3.6
4.7	32.0	28.0	14.0	1.2	40.0	188.0	12.0	3.3
5.0	32.0	28.0	14.0	1.2	40.0	200.0	12.0	3.2
6.8	32.0	33.0	18.0	1.2	40.0	272.0	14.0	2.9
10.0	32.0	33.0	18.0	1.2	40.0	400.0	14.0	2.4
15.0	42.5	30.0	22.0	1.2	25.0	375.0	14.0	2.9
20.0	42.5	37.0	28.0	1.2	25.0	500.0	14.0	2.6
22.0	42.5	37.0	28.0	1.2	25.0	550.0	14.0	2.9
30.0	42.5	45.0	30.0	1.2	25.0	750.0	14.0	2.3
33.0	42.5	45.0	30.0	1.2	25.0	825.0	14.0	2.3
40.0	57.5	45.0	30.0	1.2	15.0	600.0	14.0	3.1
50.0	57.5	50.0	35.0	1.2	15.0	750.0	14.0	2.9
60.0	57.5	50.0	35.0	1.2	15.0	900.0	14.0	2.6

■ DIMENSIONS for 2 leaded capacitor :

R.V. SIZE CAP(μF)	400 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.47	26.5	16.0	7.0	0.8	75.0	35.25	4.5	8.2
0.68	26.5	18.5	10.0	0.8	75.0	51.0	6.5	6.7
0.68	32.0	20.0	11.0	0.8	55.0	37.4	6.5	8.4
1.0	26.5	20.0	11.0	0.8	75.0	75.0	7.5	5.5
1.0	32.0	20.0	11.0	1.0	55.0	55.0	7.0	6.4
1.5	32.0	22.0	13.0	1.0	55.0	82.5	9.0	5.0
2.0	32.0	24.5	15.0	1.0	55.0	110.0	10.0	4.4
2.2	32.0	24.5	15.0	1.0	55.0	121.0	10.5	4.2
3.0	32.0	33.0	18.0	1.2	55.0	165.0	14.0	3.4
3.3	32.0	33.0	18.0	1.2	55.0	181.5	14.0	3.3
4.0	32.0	33.0	18.0	1.2	55.0	220.0	14.0	3.0
4.7	32.0	37.0	22.0	1.2	55.0	258.5	14.0	2.7
5.0	32.0	37.0	22.0	1.2	55.0	275.0	14.0	2.7
5.0	42.5	30.0	22.0	1.2	40.0	200.0	14.0	3.5
6.8	42.5	30.0	22.0	1.2	40.0	272.0	14.0	3.1
10.0	42.5	37.0	28.0	1.2	40.0	400.0	14.0	2.6
15.0	42.5	45.0	30.0	1.2	40.0	600.0	14.0	2.3
20.0	57.5	45.0	30.0	1.2	20.0	400.0	14.0	3.5
22.0	57.5	50.0	35.0	1.2	20.0	440.0	14.0	3.4
25.0	57.5	50.0	35.0	1.2	20.0	500.0	14.0	3.2

Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

■ DIMENSIONS for 2 leaded capacitor :

R.V. SIZE CAP(μF)	700 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.15	26.5	16.5	7.0	0.8	135.0	20.25	3.5	12.7
0.22	26.5	17.0	8.5	0.8	135.0	29.7	4.5	10.2
0.33	26.5	20.0	11.0	0.8	135.0	44.55	6.0	8.1
0.33	32.0	20.0	11.0	0.8	105.0	34.65	6.0	10.2
0.47	32.0	22.0	13.0	1.0	105.0	49.35	7.5	7.1
0.68	32.0	24.5	15.0	1.0	105.0	71.4	9.0	5.8
1.0	32.0	33.0	18.0	1.2	105.0	105.0	12.5	4.4
1.5	32.0	37.0	22.0	1.2	105.0	157.5	14.0	3.8
1.5	42.5	28.0	17.0	1.2	70.0	105.0	12.0	5.3
2.0	32.0	37.0	22.0	1.2	105.0	210.0	14.0	3.3
2.0	42.5	30.0	22.0	1.2	70.0	140.0	13.0	4.7
2.2	42.5	30.0	22.0	1.2	70.0	154.0	12.0	4.4
3.0	42.5	37.0	28.0	1.2	70.0	210.0	14.0	3.7
3.3	42.5	37.0	28.0	1.2	70.0	231.0	14.0	3.6
4.0	42.5	45.0	30.0	1.2	70.0	280.0	14.0	3.2
4.7	42.5	45.0	30.0	1.2	70.0	329.0	14.0	3.0
5.0	42.5	45.0	30.0	1.2	70.0	350.0	14.0	2.9
6.0	57.5	45.0	30.0	1.2	40.0	240.0	14.0	4.7
6.8	57.5	45.0	30.0	1.2	40.0	272.0	14.0	4.5
8.0	57.5	50.0	35.0	1.2	40.0	320.0	14.0	4.2
9.0	57.5	50.0	35.0	1.2	40.0	360.0	14.0	3.9

■ DIMENSIONS for 2 leaded capacitor :

R.V. SIZE CAP(μF)	850 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	26.5	16.5	7.0	0.8	375.0	37.5	4.0	12.8
0.15	26.5	19.0	10.0	0.8	375.0	56.25	5.0	9.7
0.15	32.0	20.0	11.0	0.8	300.0	45.0	5.5	10.7
0.22	26.5	22.0	13.0	0.8	375.0	82.5	7.0	7.6
0.22	32.0	20.0	11.0	0.8	300.0	66.0	6.5	8.3
0.33	32.0	22.0	13.0	1.0	300.0	99.0	8.0	6.3
0.47	32.0	24.5	15.0	1.0	300.0	141.0	9.5	5.1
0.68	32.0	33.0	18.0	1.2	300.0	204.0	4.0	3.8
1.0	32.0	37.0	22.0	1.2	300.0	300.0	14.0	3.1
1.0	42.5	28.0	17.0	1.2	200.0	200.0	13.0	3.9
1.5	42.5	30.0	22.0	1.2	200.0	300.0	14.0	3.4
2.0	42.5	37.0	28.0	1.2	200.0	400.0	14.0	2.9
2.2	42.5	37.0	28.0	1.2	200.0	440.0	14.0	2.9
2.5	42.5	37.0	28.0	1.2	200.0	500.0	14.0	2.7
3.0	42.5	45.0	30.0	1.2	200.0	600.0	14.0	2.4
3.3	42.5	45.0	30.0	1.2	200.0	660.0	14.0	2.4
4.0	57.5	45.0	30.0	1.2	110.0	440.0	14.0	3.2
4.7	57.5	45.0	30.0	1.2	110.0	517.0	14.0	2.8
5.6	57.5	50.0	35.0	1.2	110.0	616.0	14.0	2.6
6.0	57.5	50.0	35.0	1.2	110.0	660.0	14.0	2.4

Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

■ DIMENSIONS for 4 leaded capacitor :

R.V. SIZE CAP(μF)	250 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
4.7	32.0	28.0	14.0	5.1	1.2	40.0	188.0	15.0	2.6
5.0	32.0	28.0	14.0	5.1	1.2	40.0	200.0	15.0	2.5
6.8	32.0	33.0	18.0	5.1	1.2	40.0	272.0	18.0	2.2
10.0	32.0	33.0	18.0	5.1	1.2	40.0	400.0	20.5	1.7
15.0	42.5	30.0	22.0	10.2	1.2	25.0	375.0	19.5	2.2
20.0	42.5	37.0	28.0	10.2	1.2	25.0	500.0	24.0	1.9
22.0	42.5	37.0	28.0	10.2	1.2	25.0	550.0	25.0	1.9
25.0	42.5	37.0	28.0	10.2	1.2	25.0	625.0	26.0	1.8
30.0	42.5	45.0	30.0	20.3	1.2	25.0	750.0	26.0	1.7
33.0	42.5	45.0	30.0	20.3	1.2	25.0	825.0	26.0	1.7
40.0	57.5	45.0	30.0	20.3	1.2	15.0	600.0	26.0	2.5
50.0	57.5	50.0	35.0	20.3	1.2	15.0	750.0	26.0	2.3
60.0	57.5	50.0	35.0	20.3	1.2	15.0	900.0	26.0	2.0

■ DIMENSIONS for 4 leaded capacitor :

R.V. SIZE CAP(μF)	400 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I _{rms} (A)	ESR (mΩ)
3.0	32.0	33.0	18.0	5.1	1.2	55.0	165.0	17.1	2.7
3.3	32.0	33.0	18.0	5.1	1.2	55.0	181.5	17.5	2.6
4.0	32.0	33.0	18.0	5.1	1.2	55.0	220.0	18.5	2.3
4.7	32.0	37.0	22.0	10.2	1.2	55.0	258.5	21.0	2.1
5.0	32.0	37.0	22.0	10.2	1.2	55.0	275.0	21.5	2.1
6.0	42.5	37.0	28.0	10.2	1.2	55.0	275.0	21.5	2.1
10.0	42.5	37.0	28.0	10.2	1.2	40.0	400.0	24.0	2.0
15.0	42.5	45.0	30.0	20.3	1.2	40.0	600.0	26.0	1.7
20.0	57.5	45.0	30.0	20.3	1.2	20.0	400.0	24.5	2.9
22.0	57.5	50.0	35.0	20.3	1.2	20.0	440.0	26.0	2.8
25.0	57.5	50.0	35.0	20.3	1.2	20.0	500.0	26.0	2.6

Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

■ DIMENSIONS for 4 leaded capacitor :

R.V. SIZE CAP(μF)	700 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.0	32.0	33.0	18.0	10.2	1.2	105.0	105.0	15.0	3.7
1.5	32.0	37.0	22.0	10.2	1.2	105.0	157.5	18.0	3.1
2.0	32.0	37.0	22.0	10.2	1.2	105.0	210.0	19.5	2.6
2.2	42.5	30.0	22.0	10.2	1.2	70.0	154.0	15.5	3.8
3.0	42.5	37.0	28.0	10.2	1.2	70.0	210.0	26.0	1.8
3.3	42.5	37.0	28.0	10.2	1.2	70.0	231.0	20.0	3.1
4.0	42.5	45.0	30.0	20.3	1.2	70.0	280.0	22.5	2.6
4.7	42.5	45.0	30.0	20.3	1.2	70.0	329.0	24.0	2.4
5.0	42.5	45.0	30.0	20.3	1.2	70.0	350.0	25.0	2.3
6.0	57.5	45.0	30.0	20.3	1.2	40.0	240.0	20.5	4.1
6.8	42.5	45.0	30.0	20.3	1.2	40.0	272.0	21.5	3.9
8.0	57.5	50.0	35.0	20.3	1.2	40.0	320.0	23.6	3.6
9.0	57.5	50.0	35.0	20.3	1.2	40.0	360.0	25.0	3.3

■ DIMENSIONS for 4 leaded capacitor :

R.V. SIZE CAP(μF)	850 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.68	32.0	33.0	18.0	1.2	5.1	300.0	204.0	16.0	3.1
1.0	32.0	37.0	22.0	1.2	10.2	300.0	300.0	20.0	2.4
1.5	42.5	30.0	22.0	1.2	10.2	200.0	300.0	17.5	2.7
2.0	42.5	37.0	28.0	1.2	10.2	200.0	400.0	22.5	2.2
2.2	42.5	37.0	28.0	1.2	10.2	200.0	440.0	22.5	2.2
2.5	42.5	37.0	28.0	1.2	10.2	200.0	500.0	23.5	2.0
3.0	42.5	45.0	30.0	1.2	20.3	200.0	600.0	26.0	1.8
3.3	42.5	45.0	30.0	1.2	20.3	200.0	660.0	26.0	1.8
4.0	57.5	45.0	30.0	1.2	20.3	110.0	440.0	25.5	2.5
4.7	57.5	45.0	30.0	1.2	20.3	110.0	517.0	26.0	2.1
5.6	57.5	50.0	35.0	1.2	20.3	110.0	616.0	26.0	1.9
6.0	57.5	50.0	35.0	1.2	20.3	110.0	660.0	26.0	1.8
6.8	57.5	45.0	30.0	1.2	20.3	110.0	660.0	26.0	1.8

Metallized Polypropylene Film Capacitor (Radial Lead) High Frequency/Switching Application

FPB

■ DIMENSIONS for 6 leaded capacitor :

R.V. SIZE CAP(μF)	250 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
30.0	42.5	45.0	30.0	10.2	1.2	25.0	750.0	28.0	1.6
33.0	42.5	45.0	30.0	10.2	1.2	25.0	825.0	28.5	1.6
50.0	57.5	50.0	35.0	10.2	1.2	15.0	750.0	30.0	2.1
60.0	57.5	50.0	35.0	10.2	1.2	15.0	900.0	32.0	1.8

■ DIMENSIONS for 6 leaded capacitor :

R.V. SIZE CAP(μF)	400 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
15.0	42.5	45.0	30.0	10.2	1.2	40.0	600.0	28.5	1.6
30.0	57.5	45.0	30.0	10.2	1.2	20.0	600.0	27.5	2.7
33.0	57.5	50.0	35.0	10.2	1.2	20.0	660.0	28.5	2.5

■ DIMENSIONS for 6 leaded capacitor :

R.V. SIZE CAP(μF)	850 VDC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
3.0	42.5	45.0	30.0	10.2	1.2	200.0	600.0	28.5	1.7
3.3	42.5	45.0	30.0	10.2	1.2	200.0	660.0	29.0	1.7
5.6	57.5	50.0	30.0	10.2	1.2	110.0	616.0	32.5	1.8
6.0	57.5	50.0	30.0	10.2	1.2	110.0	660.0	33.0	1.7

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPW

订购基本规格

■ EXPLANATION OF ARTICLE CODE

FPW -	105	K	2G	A	55	L	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	FPW
CODE	FPW-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

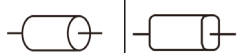
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250V	300V	400V	500V	600V	630V	700V	800V	850V
CODE	2E	2F	2G	2H	2R	2J	2S	2K	2T

⑤ Lead Configuration

CODE	A
LEAD TYPE	

⑥ Lead Pitch

Unit: mm

Lead Pitch	29.0	34.0	44.0	55.0	57.0
CODE	29	34	44	55	57

⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

⑧ Lead Length

Lead Pitch	N/A
CODE	L

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPW

High current switching capacitors consist of wound metallized polypropylene film, outer wrap by polyester film tape and end sealed by epoxy resin. They are suitable for industrial and motor speed controls, switching mode power supplies, resonant circuits and induction heaters



APPLICATIONS

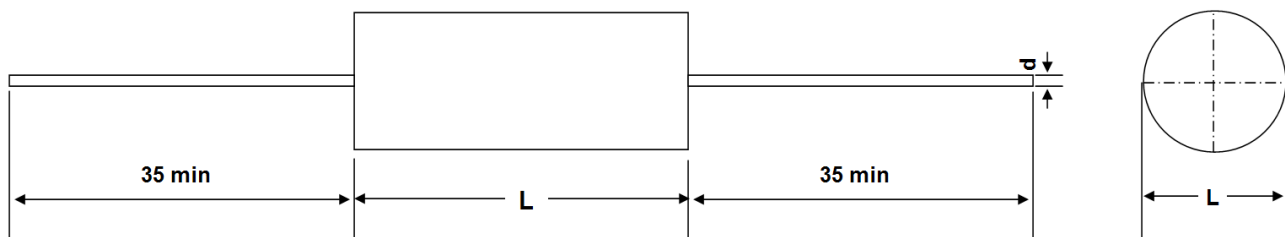
Motor speed controls
Switching mode power supplies
Resonant circuits
Induction heaters

FEATURES

Low losses and high ripple current
Self-healing properties
High contact reliability
Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature:	-40°C ~ +85°C
Capacitance Range:	0.10μF ~ 60.0μF
Capacitance Tolerance:	±5%(J), ±10%(K)
Rated Voltage:	250VDC ~ 850VDC
Dissipation Factor: (1 kHz, 25 °C)	C ≤ 5μF 0.08% max 5μF < C ≤ 30μF 0.1% max C > 30μF 0.2% max
Dielectric Withstand:	1.5 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	>3,000 MΩ.μF/C after 1 minutes of electrification @ 100 VDC & 25 °C
Terminals to Case:	3.0 KV 50Hz for 60 sec. @ 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Lead Terminations:	Tinned copper leads (RoHS compliant)



Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPW

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	250 VDC						
	OD (mm)	L (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.0	11.0	29.0	0.8	50.0	50.0	4.5	32.5
1.5	13.0	29.0	0.8	50.0	75.0	5.5	28.7
2.0	12.5	34.0	0.8	40.0	80.0	6.0	17.2
2.0	14.5	29.0	0.8	50.0	100.0	5.5	25.8
2.2	13.0	34.0	0.8	40.0	88.0	6.0	15.7
2.2	15.0	29.0	0.8	50.0	110.0	6.5	21.3
2.5	14.0	34.0	0.8	40.0	100.0	7.0	13.9
2.5	15.5	29.0	0.8	50.0	125.0	7.0	18.7
3.0	15.0	34.0	0.8	40.0	120.0	7.0	11.7
3.0	17.0	29.0	0.8	50.0	150.0	7.5	10.7
3.3	15.5	34.0	0.8	40.0	132.0	9.0	10.7
4.0	17.0	34.0	1.0	40.0	160.0	9.0	8.9
4.7	18.0	34.0	1.0	40.0	188.0	9.0	7.7
5.0	18.5	34.0	1.0	40.0	200.0	9.0	7.3
6.8	21.0	34.0	1.0	40.0	272.0	9.0	5.5
10.0	24.0	34.0	1.2	40.0	400.0	9.0	3.9
10.0	21.5	44.0	1.0	25.0	250.0	9.0	6.9
15.0	25.5	44.0	1.2	25.0	375.0	12.0	4.8
20.0	22.0	44.0	1.0	25.0	500.0	12.0	3.7
22.0	30.5	44.0	1.2	25.0	550.0	12.0	3.4
25.0	32.0	44.0	1.2	25.0	625.0	12.0	3.1
30.0	29.5	57.0	1.2	15.0	450.0	12.0	4.8
30.0	31.0	55.0	1.2	20.0	600.0	12.0	4.2
33.0	31.0	57.0	1.2	15.0	495.0	12.0	4.4
33.0	32.5	55.0	1.2	20.0	660.0	12.0	4.0
40.0	33.5	57.0	1.2	15.0	600.0	12.0	3.7
40.0	36.0	55.0	1.2	20.0	800.0	12.0	3.8
50.0	37.0	57.0	1.2	15.0	750.0	12.0	3.1
50.0	40.0	55.0	1.2	20.0	1000.0	12.0	3.0
60.0	40.0	57.0	1.2	15.0	900.0	12.0	2.6

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPW

DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	400 VDC						
	OD (mm)	L (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.47	11.0	29.0	0.8	75.0	35.25	4.0	30.4
0.68	12.0	34.0	0.8	55.0	37.4	5.5	32.2
0.68	13.0	29.0	0.8	75.0	51.0	5.5	28.6
1.0	13.0	34.0	0.8	55.0	55.0	6.0	22.4
1.0	15.0	29.0	0.8	75.0	75.0	6.5	21.5
1.5	15.5	34.0	0.8	55.0	82.5	7.0	15.2
1.5	17.5	29.0	1.0	75.0	112.5	9.0	16.8
2.0	17.5	34.0	1.0	55.0	110.0	9.0	11.6
2.2	18.5	34.0	1.0	55.0	121.0	9.0	10.6
2.5	19.0	34.0	1.0	55.0	137.5	9.0	9.4
3.0	21.0	34.0	1.0	55.0	165.0	9.0	8.0
3.3	19.0	44.0	1.0	40.0	132.0	9.0	13.3
3.3	22.0	34.0	1.0	55.0	181.5	9.0	7.3
4.0	20.5	44.0	1.0	40.0	160.0	9.0	11.1
4.0	24.0	34.0	1.0	55.0	220.0	9.0	6.1
4.7	22.0	44.0	1.0	40.0	188.0	9.0	9.5
5.0	22.5	44.0	1.0	40.0	200.0	11.0	9.0
6.8	26.0	44.0	1.2	40.0	272.0	11.0	6.8
10.0	26.0	57.0	1.2	25.0	250.0	11.0	8.9
10.0	27.0	55.0	1.2	30.0	300.0	12.0	5.0
10.0	31.0	44.0	1.2	40.0	400.0	12.0	4.8
15.0	33.0	55.0	1.2	30.0	450.0	12.0	4.7
15.0	31.0	57.0	1.2	25.0	375.0	12.0	6.1
20.0	35.0	57.0	1.2	25.0	500.0	12.0	4.7
20.0	37.0	55.0	1.2	30.0	600.0	12.0	4.2
22.0	37.0	57.0	1.2	25.0	550.0	12.0	4.4
22.0	39.0	55.0	1.2	30.0	660.0	12.0	4.0
25.0	39.0	57.0	1.2	25.0	625.0	12.0	3.9
25.0	41.5	55.0	1.2	30.0	750.0	12.0	3.0

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPW

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	700 VDC						
	OD (mm)	L (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	11.5	34.0	0.8	105.0	23.1	3.5	56.2
0.22	12.5	29.0	0.8	135.0	29.7	4.0	48.9
0.33	13.5	34.0	0.8	105.0	34.65	4.5	38.6
0.33	15.0	29.0	0.8	135.0	44.55	4.5	35.6
0.47	15.5	34.0	0.8	105.0	49.35	6.5	27.7
0.47	17.0	29.0	0.8	135.0	63.45	7.0	25.8
0.68	17.5	34.0	1.0	105.0	71.4	8.0	19.6
1.0	18.0	44.0	1.0	70.0	70.0	9.0	25.1
1.0	21.5	34.0	1.0	105.0	150.0	9.0	13.6
1.2	20.0	44.0	1.0	70.0	84.0	9.0	11.5
1.2	24.0	34.0	1.0	105.0	126.0	9.0	21.1
1.5	21.5	44.0	1.0	70.0	105.0	9.0	17.1
2.0	22.5	44.0	1.2	70.0	140.0	12.0	13.0
2.2	25.5	44.0	1.2	70.0	154.0	12.0	11.9
2.5	27.0	44.0	1.2	70.0	175.0	12.0	10.6
3.0	28.0	44.0	1.2	70.0	210.0	12.0	8.9
3.3	30.5	44.0	1.2	70.0	231.0	12.0	8.2
4.0	33.5	44.0	1.2	70.0	280.0	12.0	6.9
4.0	27.5	57.0	1.2	45.0	180.0	12.0	12.9
4.7	29.5	57.0	1.2	45.0	211.5	12.0	11.1
4.7	31.0	55.0	1.2	60.0	282.0	12.0	11.4
5.0	30.5	57.0	1.2	45.0	225.0	12.0	10.5
5.0	32.0	55.0	1.2	60.0	300.0	12.0	10.8
6.8	35.0	57.0	1.2	45.0	306.0	12.0	7.9
6.8	37.0	55.0	1.2	60.0	408.0	12.0	8.2
8.2	38.0	57.0	1.2	45.0	369.0	12.0	6.6
8.2	41.0	55.0	1.2	60.0	492.0	12.0	7.0
10.0	41.5	57.0	1.2	45.0	450.0	12.0	5.6

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPW

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	850 VDC						
	OD (mm)	L (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	11.5	29.0	0.8	375.0	37.5	4.5	70.5
0.15	12.0	34.0	0.8	300.0	45.0	4.5	66.9
0.15	13.0	29.0	0.8	375.0	56.25	5.0	48.1
0.22	13.5	34.0	0.8	300.0	66.0	5.5	47.1
0.22	15.0	29.0	0.8	375.0	82.5	6.0	33.2
0.33	16.0	34.0	0.8	300.0	99.0	7.0	32.3
0.33	17.5	29.0	1.0	375.0	123.75	7.5	23.8
0.47	18.5	34.0	1.0	300.0	141.0	9.0	23.2
0.68	18.0	44.0	1.0	200.0	136.0	9.0	30.2
0.68	21.5	34.0	1.0	300.0	204.0	9.0	16.4
1.0	21.5	44.0	1.0	200.0	200.0	9.0	21.0
1.0	26.0	34.0	1.2	300.0	300.0	12.0	11.5
1.5	25.5	44.0	1.2	200.0	300.0	12.0	14.3
2.0	29.0	44.0	1.2	200.0	400.0	12.0	11.0
2.2	25.0	57.0	1.2	110.0	242.0	12.0	19.1
2.2	26.5	55.0	1.2	125.0	275.0	12.0	17.4
2.2	30.0	44.0	1.2	200.0	440.0	12.0	10.0
2.5	28.5	57.0	1.2	110.0	275.0	12.0	16.9
2.5	28.0	55.0	1.2	125.0	312.5	12.0	13.2
2.5	32.0	44.0	1.2	200.0	500.0	12.0	8.9
3.0	29.0	57.0	1.2	110.0	330.0	12.0	14.2
3.0	30.5	55.0	1.2	125.0	375.0	12.0	13.0
3.0	34.5	47.0	1.2	200.0	600.0	12.0	7.5
3.3	30.0	57.0	1.2	110.0	363.0	12.0	13.0
3.3	32.0	55.0	1.2	125.0	412.5	12.0	11.2
4.0	33.0	57.0	1.2	110.0	440.0	12.0	10.9
4.0	35.0	55.0	1.2	125.0	500.0	12.0	9.8
4.7	35.5	57.0	1.2	110.0	517.0	12.0	9.3
4.7	37.0	55.0	1.2	125.0	587.5	12.0	8.8
5.0	36.5	57.0	1.2	110.0	550.0	12.0	8.8
5.0	38.0	55.0	1.2	125.0	625.0	12.0	8.8
5.6	40.5	55.0	1.2	110.0	748.0	12.0	6.8
6.8	41.5	57.0	1.2	110.0	748.0	12.0	6.7

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPV

订购基本规格

■ EXPLANATION OF ARTICLE CODE

F P V -	1 0 5	K	2 G	A	5 5	L	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	FPV
CODE	FPV-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

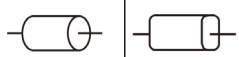
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250V	400V	500V	600V	630V	700V	800V	850V
CODE	2E	2G	2H	2R	2J	2S	2K	2T

⑤ Lead Configuration

CODE	A
LEAD TYPE	

⑥ Lead Pitch

Unit: mm

Lead Pitch	29.0	34.0	44.0	55.0	57.0
CODE	29	34	44	55	57

⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

⑧ Lead Length

Lead Pitch	N/A
CODE	L

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPV

High current switching capacitors consist of wound metallized polypropylene film, outer wrap by polyester film tape and end sealed by epoxy resin. They are suitable for industrial and motor speed controls, switching mode power supplies, resonant circuits and induction heaters.



APPLICATIONS

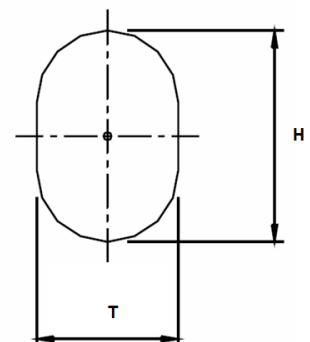
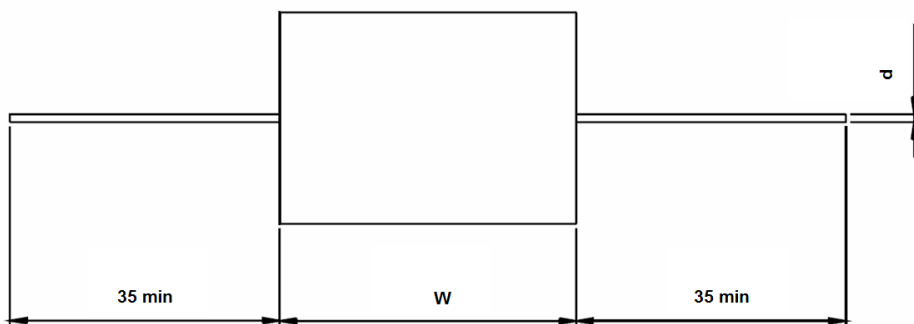
Motor speed controls
Switching mode power supplies
Resonant circuits
Induction heaters

FEATURES

Low losses and high ripple current
Self-healing properties
High contact reliability
Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature:	-40°C ~ +85°C
Capacitance Range:	0.10μF ~ 60.0μF
Capacitance Tolerance:	±5%(J), ±10%(K)
Rated Voltage:	250VDC ~ 850VDC
Dissipation Factor: (1 kHz, 25 °C)	C ≤ 5μF 0.08% max 5μF < C ≤ 30μF 0.1% max C > 30μF 0.2% max
Dielectric Withstand:	1.5 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	>3,000 MΩ.μF/C after 1 minutes of electrification @ 100 VDC & 25 °C
Terminals to Case:	3.0 KV 50Hz for 60 sec. @ 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Lead Terminations:	Tinned copper leads (RoHS compliant)



Metallized Polypropylene Film Capacitor (Axial Lead)

High Frequency/Switching Application

FPV

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	250 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	I rms (A)	ESR (mΩ)
1.0	29.0	14.0	9.0	0.8	50.0	50.0	4.5	32.5
1.5	29.0	15.5	10.0	0.8	50.0	75.0	5.5	28.7
2.0	34.0	14.0	9.5	0.8	40.0	80.0	6.0	17.2
2.0	29.0	17.0	12.5	0.8	50.0	100.0	5.5	25.8
2.2	34.0	16.5	10.0	0.8	40.0	88.0	6.0	15.7
2.2	29.0	17.5	13.0	0.8	50.0	110.0	6.5	21.3
2.5	34.0	17.0	10.5	0.8	40.0	100.0	7.0	13.9
2.5	29.0	18.0	13.5	0.8	50.0	125.0	7.0	18.7
3.0	34.0	18.0	12.0	0.8	40.0	120.0	7.0	11.7
3.0	29.0	19.5	15.0	0.8	50.0	150.0	7.5	10.7
3.3	34.0	19.0	12.5	0.8	40.0	132.0	7.0	10.7
4.0	34.0	21.0	13.0	1.0	40.0	160.0	9.0	8.9
4.7	34.0	22.0	14.0	1.0	40.0	188.0	9.0	7.7
5.0	34.0	22.5	14.5	1.0	40.0	200.0	9.0	7.3
6.8	34.0	25.0	17.0	1.0	40.0	272.0	9.0	5.5
10.0	34.0	29.0	21.0	1.0	40.0	400.0	9.0	3.9
10.0	44.0	25.0	17.0	1.0	25.0	250.0	9.0	6.9
15.0	44.0	29.0	21.0	1.2	25.0	375.0	12.0	4.8
20.0	44.0	34.0	23.0	1.2	25.0	500.0	12.0	3.7
22.0	44.0	35.5	24.0	1.2	25.0	550.0	12.0	3.4
25.0	44.0	37.0	26.0	1.2	25.0	625.0	12.0	3.1
30.0	57.0	34.0	23.0	1.2	15.0	450.0	12.0	4.8
30.0	55.0	34.5	28.0	1.2	20.0	600.0	12.0	4.2
33.0	57.0	35.5	24.0	1.2	15.0	495.0	12.0	4.4
33.0	55.0	36.0	29.5	1.2	20.0	660.0	12.0	4.0
40.0	57.0	38.0	27.0	1.2	15.0	600.0	12.0	3.7
40.0	55.0	39.5	31.5	1.2	20.0	800.0	12.0	3.8
50.0	57.0	42.0	30.5	1.2	15.0	750.0	12.0	3.1
50.0	55.0	43.5	36.0	1.2	20.0	1000.0	12.0	3.0
60.0	57.0	45.0	33.5	1.2	15.0	900.0	12.0	2.6

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPV

DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	400 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.47	29.0	14.0	9.5	0.8	75.0	35.25	4.0	30.4
0.68	34.0	15.0	8.5	0.8	55.0	37.4	5.5	32.2
0.68	29.0	16.0	11.0	0.8	75.0	51.0	5.5	28.6
1.0	34.0	16.5	10.5	0.8	55.0	55.0	6.0	22.4
1.0	29.0	18.0	13.5	0.8	75.0	75.0	6.5	21.5
1.5	34.0	19.0	12.5	0.8	55.0	82.5	7.0	15.2
1.5	29.0	22.0	15.5	1.0	75.0	112.5	9.0	16.8
2.0	34.0	22.0	14.0	1.0	55.0	110.0	9.0	11.6
2.2	34.0	22.5	14.5	1.0	55.0	121.0	9.0	10.6
2.5	34.0	23.5	15.5	1.0	55.0	137.5	9.0	9.4
3.0	34.0	25.0	17.0	1.0	55.0	165.0	9.0	8.0
3.3	44.0	22.5	14.5	1.0	40.0	132.0	9.0	13.3
3.3	34.0	26.0	18.0	1.0	55.0	181.5	9.0	7.3
4.0	44.0	24.0	16.0	1.0	40.0	160.0	9.0	11.1
4.0	34.0	28.0	20.0	1.0	55.0	220.0	9.0	6.1
4.7	44.0	25.5	17.5	1.0	40.0	188.0	9.0	9.5
5.0	44.0	26.0	18.0	1.0	40.0	200.0	11.0	9.0
6.8	44.0	29.5	21.5	1.2	40.0	272.0	11.0	6.8
10.0	57.0	29.0	21.0	1.2	25.0	250.0	11.0	8.9
10.0	55.0	31.5	23.5	1.2	30.0	300.0	12.0	5.0
10.0	44.0	36.0	24.5	1.2	40.0	400.0	12.0	4.8
15.0	55.0	37.5	28.5	1.2	30.0	450.0	12.0	4.7
15.0	57.0	36.0	24.5	1.2	25.0	375.0	12.0	6.1
20.0	57.0	40.0	29.0	1.2	25.0	500.0	12.0	4.7
20.0	55.0	42.5	33.0	1.2	30.0	600.0	12.0	4.2
22.0	57.0	41.5	30.5	1.2	25.0	550.0	12.0	4.4
22.0	55.0	44.0	34.5	1.2	30.0	660.0	12.0	4.0
25.0	57.0	43.5	32.5	1.2	25.0	625.0	12.0	3.9
25.0	55.0	47.5	37.0	1.2	30.0	750.0	12.0	3.0

Metallized Polypropylene Film Capacitor (Axial Lead) High Frequency/Switching Application

FPV

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	700 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.22	34.0	15.0	8.5	0.8	105.0	23.1	3.5	56.2
0.22	29.0	14.5	9.5	0.8	135.0	29.7	4.0	48.9
0.33	34.0	16.5	10.0	0.8	105.0	34.65	4.5	38.6
0.33	29.0	16.5	11.5	0.8	135.0	44.55	4.5	35.6
0.47	34.0	18.5	12.0	0.8	105.0	49.35	6.5	27.7
0.47	29.0	18.5	14.0	0.8	135.0	63.45	7.0	25.8
0.68	34.0	22.0	14.0	1.0	105.0	71.4	8.0	19.6
1.0	44.0	21.5	13.5	1.0	70.0	70.0	9.0	25.1
1.0	34.0	25.0	17.0	1.0	105.0	105.0	9.0	13.6
1.2	44.0	23.0	15.0	1.0	70.0	84.0	9.0	11.5
1.2	34.0	26.5	18.5	1.0	105.0	126.0	9.0	21.1
1.5	44.0	25.0	17.0	1.0	70.0	105.0	9.0	17.1
2.0	44.0	27.5	19.5	1.2	70.0	140.0	12.0	13.0
2.2	44.0	28.5	20.5	1.2	70.0	154.0	12.0	11.9
2.5	44.0	30.0	22.0	1.2	70.0	175.0	12.0	10.6
3.0	44.0	33.5	22.5	1.2	70.0	210.0	12.0	8.9
3.3	44.0	35.0	23.5	1.2	70.0	231.0	12.0	8.2
4.0	44.0	37.5	26.5	1.2	70.0	280.0	12.0	6.9
4.0	57.0	30.5	22.5	1.2	45.0	180.0	12.0	12.9
4.7	57.0	34.5	23.0	1.2	45.0	211.5	12.0	11.1
4.7	55.0	33.0	23.5	1.2	60.0	282.0	12.0	11.4
5.0	57.0	35.0	24.0	1.2	45.0	225.0	12.0	10.5
5.0	55.0	33.5	24.5	1.2	60.0	300.0	12.0	10.8
6.8	57.0	39.5	28.0	1.2	45.0	306.0	12.0	7.9
6.8	55.0	38.0	29.0	1.2	60.0	408.0	12.0	8.2
8.2	57.0	42.5	31.0	1.2	45.0	369.0	12.0	6.6
8.2	55.0	41.0	31.5	1.2	60.0	492.0	12.0	7.0
10.0	57.0	46.0	34.5	1.2	45.0	450.0	12.0	5.6

Metallized Polypropylene Film Capacitor (Axial Lead)

High Frequency/Switching Application

FPV

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	850 VDC							
	W (mm)	H (mm)	T (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
0.10	29.0	13.5	9.0	0.8	375.0	37.5	4.5	70.5
0.15	34.0	15.0	8.5	0.8	300.0	45.0	4.5	66.9
0.15	29.0	15.5	10.5	0.8	375.0	56.25	5.0	48.1
0.22	34.0	16.5	10.0	0.8	300.0	66.0	5.5	47.1
0.22	29.0	17.0	13.0	0.8	375.0	82.5	6.0	33.2
0.33	34.0	18.5	12.5	0.8	300.0	99.0	7.0	32.3
0.33	29.0	20.0	15.0	1.0	375.0	123.75	7.5	23.8
0.47	34.0	22.0	14.0	1.0	300.0	141.0	9.0	23.2
0.68	44.0	21.5	14.5	1.0	200.0	136.0	9.0	30.2
0.68	34.0	24.5	16.5	1.0	300.0	204.0	9.0	16.4
1.0	44.0	24.5	16.5	1.0	200.0	200.0	9.0	21.0
1.0	34.0	28.5	20.5	1.2	300.0	300.0	12.0	11.5
1.5	44.0	28.5	20.5	1.2	200.0	300.0	12.0	14.3
2.0	44.0	31.5	23.5	1.2	200.0	400.0	12.0	11.0
2.2	57.0	28.0	20.0	1.2	110.0	242.0	12.0	19.1
2.2	55.0	30.5	21.5	1.2	125.0	275.0	12.0	17.4
2.2	44.0	34.5	23.0	1.2	200.0	440.0	12.0	10.0
2.5	57.0	29.5	21.5	1.2	110.0	275.0	12.0	16.9
2.5	55.0	32.0	23.0	1.2	125.0	312.5	12.0	13.2
2.5	44.0	36.0	25.0	1.2	200.0	500.0	12.0	8.9
3.0	57.0	31.5	23.5	1.2	110.0	330.0	12.0	14.2
3.0	55.0	34.5	25.0	1.2	125.0	375.0	12.0	13.0
3.0	44.0	39.0	27.5	1.2	200.0	600.0	12.0	7.5
3.3	57.0	34.5	23.0	1.2	110.0	363.0	12.0	13.0
3.3	55.0	36.0	26.5	1.2	125.0	412.5	12.0	11.2
4.0	57.0	37.0	26.0	1.2	110.0	440.0	12.0	10.9
4.0	55.0	39.0	29.0	1.2	125.0	500.0	12.0	9.8
4.7	57.0	39.5	28.0	1.2	110.0	517.0	12.0	9.3
4.7	55.0	41.5	32.0	1.2	125.0	587.5	12.0	8.8
5.0	57.0	40.5	29.0	1.2	110.0	550.0	12.0	8.8
5.0	55.0	42.5	33.0	1.2	125.0	625.0	12.0	6.8
6.8	57.0	45.5	34.5	1.2	110.0	748.0	12.0	6.7

AC Application Capacitors

Series	Capacitance	Rated Voltage	Application	Page
APB	1.0 μ F ~ 50.0 μ F	250VAC ~ 350VAC	Power Converters UPS System & Solar Inverter Motor Drives	101
APT	3*20.3 μ F ~ 3*335.0 μ F	250VAC ~ 690VAC	Power Converters UPS System & Solar Inverter Motor Drives	105
APM	10.0 μ F ~ 600.0 μ F	250VAC ~ 690VAC	Power Converters UPS System & Solar Inverter Motor Drives	111
APA	2.0 μ F ~ 100.0 μ F	450VAC	Power Converters UPS System & Solar Inverter Motor Drives	119
APR	1+1 μ F ~ 80+15 μ F	450VAC	Power Converters UPS System & Solar Inverter Motor Drives	122
APW	10.0 μ F ~ 70.0 μ F	160VAC ~ 275VAC	Power Converters UPS System & Solar Inverter Motor Drives	125

Metallized Polypropylene Film Capacitor (Radial Lead) AC Application

APB

订购基本规格

■ EXPLANATION OF ARTICLE CODE

A P B -	1 0 6	K	3 5	4	5 2	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	APB
CODE	APB-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250VAC	300VAC	350VAC
CODE	25	30	35

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑥ Lead Pitch(P) Unit: mm

Lead Pitch	27.5	37.5	52.5	57.5
CODE	27	37	52	57

⑦ Lead Pitch(P1) Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3
CODE	A	B	G	C	D

⑧ Lead Length

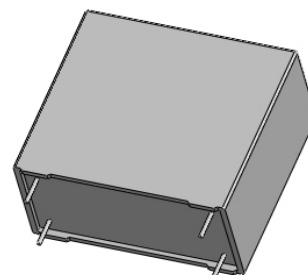
TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor (Radial Lead)

AC Application

APB

AC filtering capacitors consist of wound metallized polypropylene film, plastic casing sealed with epoxy. They are suitable for output AC filtering for power converters, UPS System, solar inverter and motor drives.



APPLICATIONS

Output AC filtering for power converters

UPS system

Solar inverters

Motor drives

FEATURES

Optimized AC voltage performance

High ripple current

High contact reliability

Flame retardant plastic case and epoxy resin

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance Range: $1.0\mu\text{F} \sim 50.0\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: $250\text{VAC} \sim 350\text{VAC}$

Dissipation Factor: $0.2\% \text{ max } 100\text{HZ}, 25^{\circ}\text{C}$

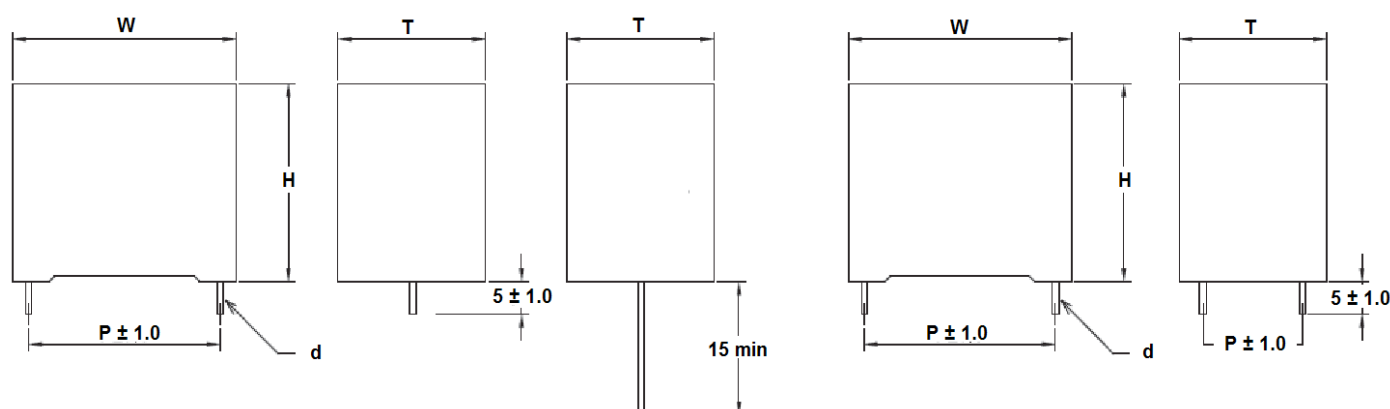
Dielectric Withstand: $2.15 \times \text{rated voltage(AC)}$ for 10 seconds (terminal to terminal)

Insulation Resistance: $>3,000 \text{ M}\Omega \cdot \mu\text{F/C}$ after 1 minutes of electrification @ $100 \text{ VDC} \& 25^{\circ}\text{C}$

Terminals to Case: $2.0 \times \text{rated voltage} + 1000 \text{ V AC}$ (min. 2000 V AC) at 50 HZ

Life Expectancy: 100,000 hours at U_r and 70°C

Lead Terminations: Tinned copper leads (RoHS compliant)



Metallized Polypropylene Film Capacitor (Radial Lead)

AC Application

APB

■ Dimensions for 2 leaded capacitor :

R.V. SIZE CAP(μF)	250 VAC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
2.2	32.0	22.0	13.0	27.5	0.8	25.0	55.0	4.0	17.0
3.3	32.0	28.0	14.0	27.5	0.8	25.0	82.5	6.0	11.6
5.0	32.0	33.0	18.0	27.5	0.8	25.0	125.0	8.0	8.0
10.0	42.5	40.0	20.0	37.5	1.0	17.0	170.0	11.0	7.4
18.0	42.5	43.0	28.0	37.5	1.0	17.0	306.0	12.0	4.0
20.0	42.5	45.0	30.0	37.5	1.2	17.0	340.0	14.0	3.8
25.0	57.5	45.0	30.0	52.5	1.2	11.0	275.0	17.0	6.5
30.0	57.5	50.0	35.0	52.5	1.2	11.0	330.0	20.0	5.4
40.0	57.5	50.0	35.0	52.5	1.2	11.0	440.0	19.0	5.8
50.0	57.5	50.0	35.0	52.5	1.2	12.0	600.0	21.0	5.5

■ Dimensions for 2 leaded capacitor :

R.V. SIZE CAP(μF)	300 VAC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.5	32.0	22.0	13.0	27.5	0.8	28.0	42.0	4.0	21.2
2.5	32.0	28.0	14.0	27.5	0.8	28.0	70.0	6.0	14.4
3.3	32.0	33.0	18.0	27.5	0.8	28.0	92.4	8.0	10.6
10.0	42.5	44.0	24.0	37.5	1.0	19.0	190.0	12.0	6.0
12.0	42.5	43.0	28.0	37.5	1.0	19.0	228.0	12.0	5.0
15.0	42.5	45.0	30.0	37.5	1.2	19.0	285.0	12.0	4.2
20.0	57.5	45.0	30.0	52.5	1.2	13.0	260.0	16.0	6.8
25.0	57.5	50.0	35.0	52.5	1.2	13.0	325.0	19.0	5.4

■ Dimensions for 2 leaded capacitor :

R.V. SIZE CAP(μF)	350 VAC								
	W (mm)	H (mm)	T (mm)	P (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
1.0	32.0	22.0	13.0	27.5	0.8	35.0	35.0	4.0	23.5
1.8	32.0	28.0	14.0	27.5	0.8	35.0	63.0	6.0	16.5
2.5	32.0	33.0	18.0	27.5	0.8	35.0	87.5	8.0	11.3
7.5	42.5	44.0	24.0	37.5	1.0	24.0	180.0	10.0	7.5
9.0	42.5	43.0	28.0	37.5	1.0	24.0	216.0	10.0	6.2
10.0	42.5	45.0	30.0	37.5	1.2	24.0	240.0	10.0	4.8
12.0	57.5	45.0	30.0	52.5	1.2	17.0	204.0	17.0	6.5
20.0	57.5	50.0	35.0	52.5	1.2	17.0	340.0	20.0	5.8

Metallized Polypropylene Film Capacitor (Radial Lead)

AC Application

APB

■ Dimensions for 4 leaded capacitor :

R.V. SIZE CAP(μF)	250 VAC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
10.0	42.5	40.0	20.0	37.5	10.2	1.2	17.0	170.0	12.0	6.9
18.0	42.5	43.0	28.0	37.5	10.2	1.2	17.0	306.0	13.0	3.5
20.0	42.5	45.0	30.0	37.5	20.3	1.2	17.0	340.0	15.0	3.3
25.0	57.5	45.0	30.0	52.5	20.3	1.2	11.0	275.0	18.0	6.0
30.0	57.5	50.0	35.0	52.5	20.3	1.2	11.0	330.0	21.0	4.9
40.0	57.5	50.0	35.0	52.5	20.3	1.2	11.0	440.0	20.0	5.3
50.0	57.5	50.0	35.0	52.5	20.3	1.2	12.0	600.0	22.0	5.0

■ Dimensions for 4 leaded capacitor :

R.V. SIZE CAP(μF)	300 VAC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
10.0	42.5	44.0	24.0	37.5	10.2	1.2	19.0	190.0	13.0	5.5
12.0	42.5	43.0	28.0	37.5	10.2	1.2	19.0	228.0	13.0	4.5
15.0	42.5	45.0	30.0	37.5	20.3	1.2	19.0	285.0	13.0	3.8
20.0	57.5	45.0	30.0	52.5	20.3	1.2	13.0	260.0	17.0	6.3
25.0	57.5	50.0	35.0	52.5	20.3	1.2	13.0	325.0	20.0	4.9

■ Dimensions for 4 leaded capacitor :

R.V. SIZE CAP(μF)	350 VAC									
	W (mm)	H (mm)	T (mm)	P (mm)	P1 (mm)	d(φ) (mm)	dv/dt (v/us)	I peak (A)	Irms (A)	ESR (mΩ)
7.5	42.5	44.0	24.0	37.5	10.2	1.2	24.0	180.0	11.0	7.0
9.0	42.5	43.0	28.0	37.5	10.2	1.2	24.0	216.0	11.0	5.7
10.0	42.5	45.0	30.0	37.5	20.3	1.2	24.0	240.0	11.0	4.3
12.0	57.5	45.0	30.0	52.5	20.3	1.2	17.0	204.0	18.0	6.0
20.0	57.5	50.0	35.0	52.5	20.3	1.2	17.0	340.0	21.0	5.3

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APT

订购基本规格

■ EXPLANATION OF ARTICLE CODE

A P T -	1 0 7	K	4 5	W	8 6	H
①	②	③	④	⑤	⑥	⑦

① Capacitor Type

TYPE	APT
CODE	APT-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code : (expressed in one digit & one letter code)

VOLTAGE	250V	280V	300V	350V	400V	450V	700V
CODE	25	28	30	35	40	45	70

⑤ Terminal Configuration

CODE	W
FORM STYLE	

⑥ Can Diameter

DIAMETER	76.0	86.0	116.0	136.0
CODE	076	086	116	136

⑦ Terminal

TERMINAL	M6	M8	M10	M12	M16	M20
CODE	F	H	J	L	M	N

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APT

AC filtering three phase execution (with FPU) capacitors consist of wound metallized polypropylene film, aluminium casing and filled with castor oil. They are suitable for PFC & AC filtering application, UPS system, solar inverter and motor drives.



■ APPLICATIONS

PFC & AC filtering application

UPS system

Solar inverters

Motor drives

■ FEATURES

Optimized AC Voltage Performance

High ripple current

High contact reliability

Aluminium can and castor oil

■ SPECIFICATIONS

Operating Temperature: -40°C ~ +55°C

Capacitance Range: 3*20.3μF ~ 3*335.0μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Dissipation Factor: 0.02% max 100 HZ, 25 °C

Voltage (Urms): 230VAC ~ 690VAC

Dielectric Withstand: 2.15 x rated voltage for 10s
(terminal to terminal)

Terminals to Case: 4.0 KV 50HZ for 60 sec. @ 25 °C

Life Expectancy: 100,000 hours at Ur @ 70 °C

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APT

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	230 VAC					
	OD (mm)	H (mm)	Output @50HZ (Kvar)	dv/dt (v/us)	I peak Amps	Irms (A)
3*200.6	85.0	265.0	10.0	37.0	7530	25.1
3*200.6	116.0	160.0	10.0	37.0	7530	25.1
3*250.7	85.0	340.0	12.5	37.0	9420	31.4
3*250.7	116.0	190.0	12.5	37.0	9420	31.4
3*300.9	85.0	340.0	15.0	37.0	11310	37.7
3*300.9	116.0	190.0	15.0	37.0	11310	37.7
3*335.0	116.0	230.0	16.7	37.0	12570	41.9

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	400 VAC					
	OD (mm)	H (mm)	Output @50HZ (Kvar)	dv/dt (v/us)	I peak Amps	Irms (A)
3*66.3	85.0	190.0	10.0	65.0	4320	14.4
3*82.9	85.0	190.0	12.5	65.0	5400	18.0
3*99.5	85.0	190.0	15.0	65.0	6480	21.6
3*110.7	85.0	265.0	16.7	65.0	7230	24.1
3*110.7	116.0	160.0	16.7	65.0	7230	24.1
3*132.6	85.0	265.0	20.0	65.0	8640	28.8
3*132.6	116.0	160.0	20.0	65.0	8640	28.8
3*165.8	85.0	265.0	25.0	65.0	10830	36.1
3*165.8	116.0	190.0	25.0	65.0	10830	36.1
3*198.9	136.0	190.0	30.0	65.0	12990	43.3

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	440 VAC					
	OD (mm)	H (mm)	Output @50HZ (Kvar)	dv/dt (v/us)	I peak Amps	Irms (A)
3*68.5	85.0	190.0	12.5	72.0	4920	16.4
3*77.0	85.0	190.0	14.1	72.0	5550	18.5
3*77.0	116.0	160.0	14.1	72.0	5550	18.5
3*82.2	85.0	190.0	15.0	72.0	5910	19.7
3*92.6	85.0	190.0	16.9	72.0	6660	22.2
3*103.0	85.0	265.0	18.8	72.0	7410	24.7
3*103.0	116.0	160.0	18.8	72.0	7410	24.7
3*109.0	85.0	265.0	20.0	72.0	7860	26.2
3*109.0	116.0	190.0	20.0	72.0	7860	26.2
3*123.3	85.0	265.0	22.5	72.0	8850	29.5
3*123.3	116.0	160.0	22.5	72.0	8850	29.5
3*137.0	85.0	265.0	25.0	72.0	9840	32.8
3*137.0	116.0	190.0	25.0	72.0	9840	32.8
3*154.0	85.0	265.0	28.1	72.0	11070	36.9
3*154.0	116.0	190.0	28.1	72.0	11070	36.9
3*164.4	85.0	340.0	30.0	72.0	11820	39.4
3*164.4	116.0	190.0	30.0	72.0	11820	39.4
3*180.9	136.0	190.0	33.0	72.0	12990	43.3

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APT

DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	525 VAC					
	OD (mm)	H (mm)	Output @50HZ (Kvar)	dv/dt (v/us)	I peak Amps	Irms (A)
3*38.5	85.0	190.0	10.0	86.0	3300	11.0
3*48.1	85.0	190.0	12.5	86.0	4110	13.7
3*53.1	85.0	190.0	13.8	86.0	4560	15.2
3*57.7	85.0	190.0	15.0	86.0	4950	16.5
3*77.0	85.0	265.0	20.0	86.0	6600	22.0
3*77.0	116.0	160.0	20.0	86.0	6600	22.0
3*96.2	85.0	265.0	25.0	86.0	8250	27.5
3*96.2	116.0	190.0	25.0	86.0	8250	27.5
3*115.4	116.0	230.0	30.0	86.0	9900	33.0
3*115.4	136.0	190.0	30.0	86.0	9900	33.0
3*138.2	116.0	265.0	35.9	86.0	11850	39.5
3*138.2	136.0	230.0	35.9	86.0	11850	39.5
3*142.8	116.0	265.0	37.1	86.0	12240	40.8
3*142.8	136.0	230.0	37.1	86.0	12240	40.8

DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	660 VAC					
	OD (mm)	H (mm)	Output @50HZ (Kvar)	dv/dt (v/us)	I peak Amps	Irms (A)
3*20.3	85.0	190.0	8.33	108.0	2190	7.3
3*24.4	85.0	190.0	10.0	108.0	2610	8.7
3*30.4	85.0	265.0	12.5	108.0	3270	10.9
3*36.5	85.0	265.0	15.0	108.0	3930	13.1
3*40.7	85.0	265.0	16.7	108.0	4380	14.6
3*48.7	85.0	340.0	20.0	108.0	5250	17.5
3*55.8	85.0	340.0	22.9	108.0	6000	20.0
3*91.4	116.0	160.0	12.5	108.0	9831	10.9
3*109.6	116.0	160.0	15.0	108.0	11788	13.1
3*122.1	116.0	160.0	16.7	108.0	13133	14.6
3*146.2	116.0	190.0	20.0	108.0	15725	17.5
3*167.3	116.0	190.0	22.9	108.0	17994	20.0
3*182.6	136.0	190.0	25.0	108.0	19640	21.9
3*219.3	136.0	230.0	30.0	108.0	23587	26.2

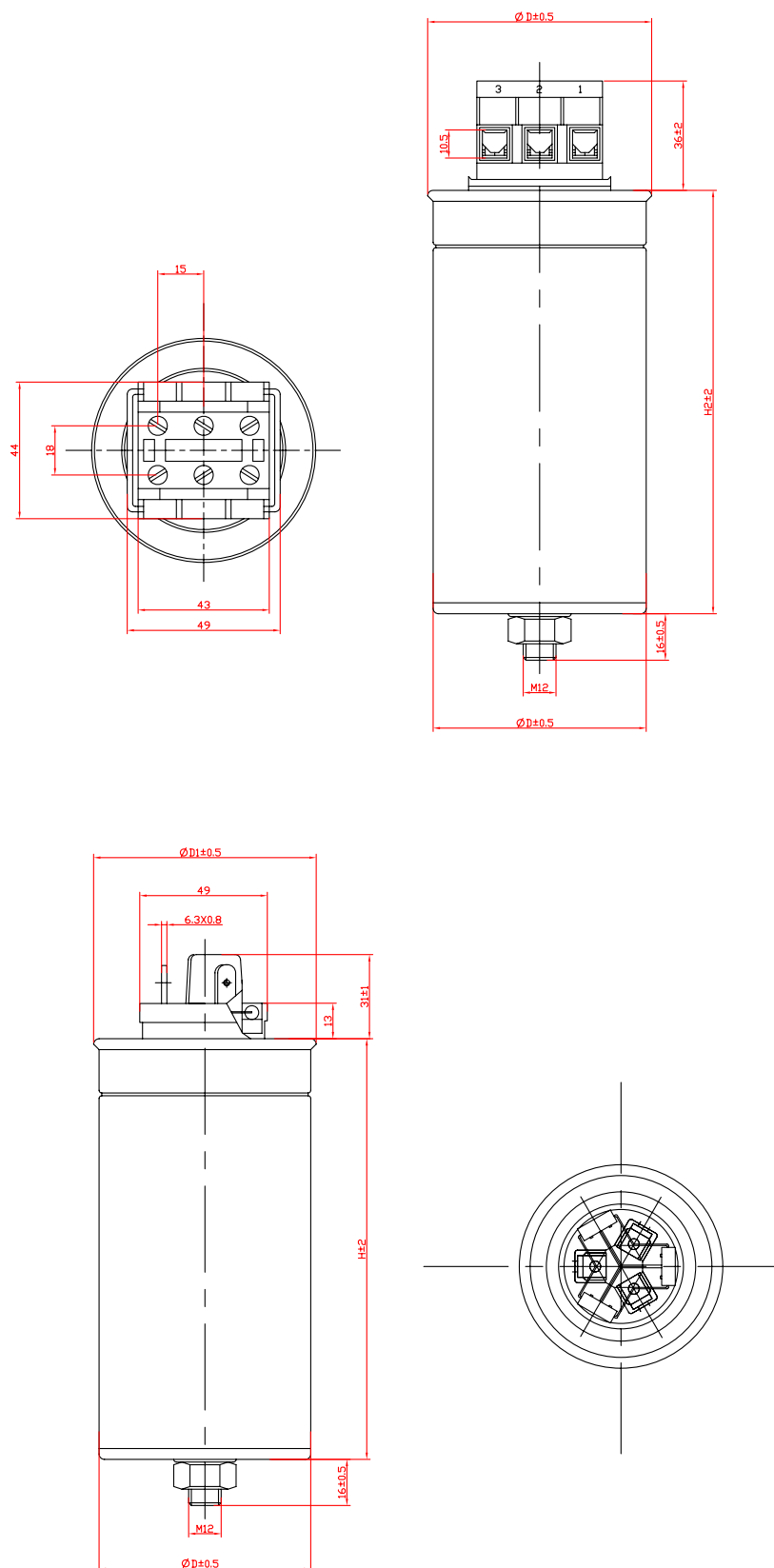
DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	690 VAC					
	OD (mm)	H (mm)	Output @50HZ (Kvar)	dv/dt (v/us)	I peak Amps	Irms (A)
3*27.9	85.0	265.0	12.5	112.0	3150	10.5
3*33.4	85.0	265.0	15.0	112.0	3750	12.5
3*44.6	85.0	340.0	20.0	112.0	5010	16.7
3*55.7	85.0	340.0	25.0	112.0	6270	20.9
3*83.6	116.0	160.0	12.5	112.0	9401	10.5
3*100.3	116.0	160.0	15.0	112.0	11278	12.5
3*133.7	116.0	190.0	20.0	112.0	15034	16.7
3*167.3	116.0	190.0	25.0	112.0	18812	20.0

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APT

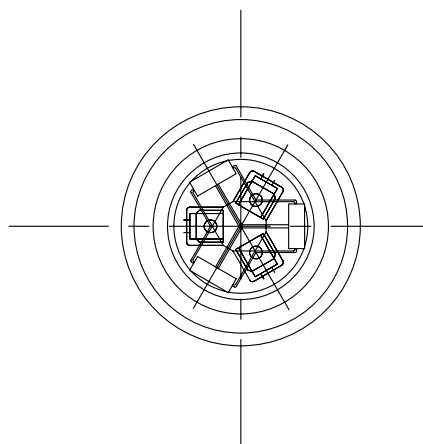
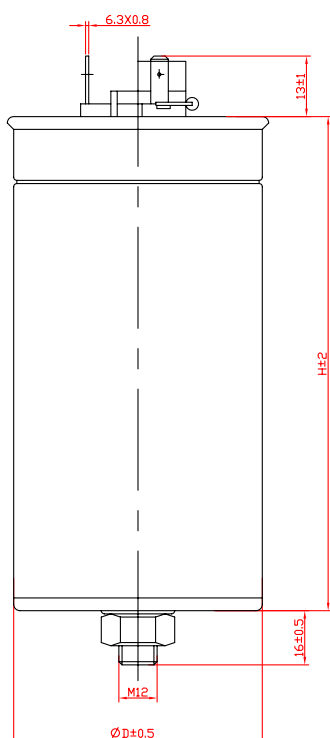
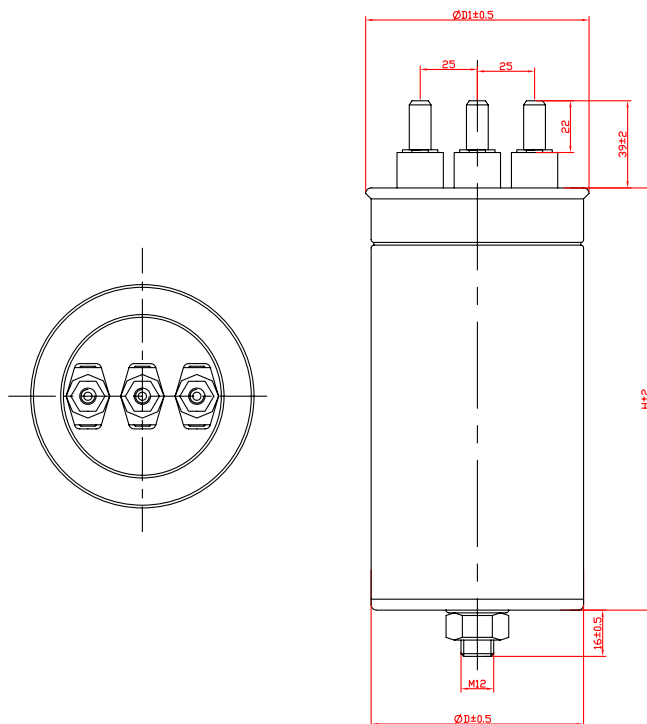
■ Terminal Style:



Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APT

■ Terminal Style:



Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

订购基本规格

■ EXPLANATION OF ARTICLE CODE

APM -	1 2 7	K	4 5	C	4 5
①	②	③	④	⑤	⑥

① Capacitor Type

TYPE	APM
CODE	APM-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

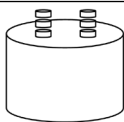
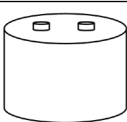
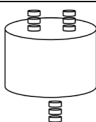
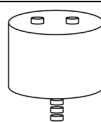
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250V	280V	300V	350V	400V	450V	700V
CODE	25	28	30	35	40	45	70

⑤ Terminal Configuration

FORM	THREADED STUD	THREADED INSERT	THREADED STUD + MOUNTING	THREADED INSERT + MOUNTING
CODE	A	B	C	J
FORM STYLE				

⑥ Can Diameter

TERMINAL	45	50	55	60	65	75	85	90	95	100
CODE	045	050	055	060	065	075	085	090	095	100

⑦ Terminal

TERMINAL	M6	M8	M10	M12	M16	M20
CODE	F	H	J	L	M	N

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

AC filtering capacitor consists of wound metallized polypropylene film, aluminium casing sealed with castor oil. They are suitable for output AC filtering for power converters, UPS system, solar inverter and motor drives.



■ APPLICATIONS

Output AC filtering for power converters

UPS system

Solar inverters

Motor drives

■ FEATURES

Overpressure disconnection device

High ripple current

High contact reliability

Aluminium can and castor oil

■ SPECIFICATIONS

Operating Temperature: -40°C ~ +70°C

Capacitance range: 10.0μF ~ 600μF

Capacitance Tolerance: ±5%(J), ±10%(K)

Dissipation Factor: 0.2% max 100 HZ, 25 °C

Rated Voltage(Un): 400VDC ~ 1100VDC

Rated Voltage(Urms): 250VAC ~ 690VAC

Dielectric Withstand: 2.15 x rated voltage(AC) for 10s (terminal to terminal)

Terminals to Case: 3.0 KV 50HZ for 60 sec. @ 25 °C

Life Expectancy: 100,000 hours at Ur and 70 °C

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	250 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
60.0	55.0	115.0	16.0	999.0	16.7	6.2
80.0	55.0	115.0	16.0	1332.0	16.7	5.6
100.0	55.0	150.0	16.0	1260.0	12.6	7.5
120.0	55.0	150.0	16.0	1512.0	12.6	7.1
150.0	60.0	150.0	18.5	1890.0	12.6	7.5
150.0	75.0	117.0	28.0	1620.0	10.8	3.0
175.0	65.0	150.0	20.0	2205.0	12.6	7.5
200.0	65.0	165.0	20.0	2268.0	11.3	7.5
200.0	85.0	117.0	40.0	2340.0	11.7	2.5
230.0	75.0	180.0	35.0	1987.0	8.6	3.5
250.0	75.0	180.0	32.0	2160.0	8.6	3.6
300.0	75.0	180.0	40.0	2592.0	8.6	2.1
350.0	85.0	180.0	44.0	3623.0	10.4	1.9
400.0	85.0	180.0	45.0	4140.0	10.4	1.8
500.0	95.0	210.0	50.0	5400.0	10.8	2.3
500.0	85.0	247.0	45.0	4275.0	8.6	2.4
600.0	85.0	280.0	45.0	4806.0	8.0	2.2

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	330 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
50.0	55.0	115.0	16.0	833.0	16.7	8.7
60.0	55.0	150.0	16.0	756.0	12.6	8.2
100.0	55.0	150.0	16.0	1260.0	12.6	8.0
100.0	75.0	117.0	25.0	1305.0	13.1	3.4
120.0	60.0	150.0	18.5	864.0	7.2	7.4
150.0	65.0	150.0	20.0	1310.0	8.7	6.8
150.0	75.0	152.0	25.0	1350.0	9.0	4.4
175.0	65.0	165.0	20.0	1496.0	8.6	6.8
200.0	75.0	180.0	35.0	2610.0	13.1	3.7
200.0	85.0	152.0	35.0	2610.0	13.1	3.3
250.0	75.0	180.0	40.0	2138.0	8.6	2.1
300.0	85.0	180.0	40.0	3915.0	13.1	2.0
350.0	85.0	210.0	40.0	4568.0	13.1	1.9
400.0	90.0	210.0	50.0	5400.0	13.5	2.3
400.0	85.0	267.0	45.0	3240.0	8.1	2.5
450.0	85.0	280.0	45.0	3645.0	8.1	2.2
500.0	90.0	280.0	50.0	4005.0	8.0	1.8

Metallized Polypropylene Film Capacitor (Aluminium Can)

AC Application

APM

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	450 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
20.0	55.0	115.0	12.0	700.0	35.0	9.5
30.0	55.0	115.0	12.0	700.0	23.3	9.2
33.0	65.0	82.0	16.0	700.0	21.2	7.2
40.0	55.0	150.0	16.0	540.0	13.5	8.2
50.0	55.0	150.0	16.0	540.0	10.8	8.7
50.0	75.0	107.0	25.0	855.0	17.1	7.1
70.0	65.0	150.0	20.0	907.0	13.0	6.8
80.0	65.0	150.0	20.0	907.0	11.3	6.8
90.0	65.0	165.0	20.0	1021.0	11.3	6.8
100.0	75.0	180.0	40.0	1080.0	10.8	2.8
150.0	85.0	180.0	40.0	1958.0	13.1	2.3
200.0	90.0	210.0	50.0	2700.0	13.5	2.0
200.0	85.0	247.0	45.0	1710.0	8.6	2.3
250.0	85.0	280.0	45.0	2025.0	8.1	2.8
250.0	85.0	267.0	45.0	2025.0	8.1	2.8
300.0	90.0	280.0	50.0	2403.0	8.0	2.4

■ DIMENSIONS / 产品尺寸 :

R.V. SIZE CAP(μF)	480 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
20.0	65.0	70.0	16.0	750.0	37.5	5.2
25.0	65.0	82.0	16.0	750.0	30.0	6.3
30.0	65.0	82.0	16.0	750.0	25.0	5.8
40.0	65.0	107.0	16.0	850.0	21.3	7.9
50.0	65.0	107.0	20.0	850.0	17.0	7.2
50.0	75.0	107.0	25.0	950.0	19.0	3.8
60.0	75.0	117.0	25.0	1053.0	17.6	3.8
70.0	75.0	147.0	40.0	1575.0	22.5	2.1
80.0	75.0	147.0	40.0	1224.0	15.3	1.9
100.0	75.0	197.0	40.0	1710.0	17.1	2.8
150.0	85.0	197.0	45.0	2565.0	17.1	2.3
200.0	85.0	247.0	45.0	2610.0	13.1	2.8
250.0	85.0	267.0	45.0	2925.0	11.7	2.8

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	550 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
20.0	55.0	115.0	12.0	600.0	30.0	8.0
30.0	55.0	150.0	12.0	750.0	25.0	8.6
40.0	55.0	150.0	12.0	750.0	18.8	7.9
50.0	60.0	150.0	18.5	850.0	17.0	7.2
70.0	65.0	165.0	20.0	900.0	12.9	5.4
80.0	75.0	180.0	30.0	1800.0	22.5	3.0
100.0	85.0	180.0	40.0	2821.0	28.5	2.8
125.0	85.0	180.0	40.0	2821.0	22.6	2.4
150.0	85.0	280.0	45.0	3217.0	21.4	2.6
200.0	85.0	280.0	45.0	3217.0	16.1	2.4
250.0	100.0	280.0	50.0	3500.0	14.0	2.8
300.0	100.0	280.0	50.0	3500.0	11.7	2.7

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	600 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
10.0	45.0	73.0	6.5	350.0	35.0	9.5
12.0	45.0	73.0	6.5	350.0	29.2	9.5
15.0	45.0	99.0	6.5	350.0	23.3	9.5
18.0	45.0	100.0	6.5	350.0	19.4	9.5
18.0	50.0	120.0	12.0	500.0	27.8	8.4
20.0	45.0	100.0	12.0	450.0	22.5	8.4
20.0	50.0	120.0	12.0	500.0	25.0	8.4
25.0	50.0	120.0	12.0	500.0	20.0	8.4
25.0	65.0	100.0	18.0	600.0	24.0	7.6
30.0	65.0	100.0	18.0	600.0	20.0	7.6
35.0	65.0	120.0	18.0	700.0	20.0	7.2
40.0	65.0	120.0	20.0	700.0	17.5	5.8
45.0	65.0	120.0	20.0	700.0	15.6	5.8
50.0	65.0	146.0	20.0	850.0	17.0	5.4

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	660 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
10.0	45.0	100.0	6.5	400.0	40.0	9.5
10.0	50.0	73.0	8.0	550.0	55.0	8.5
12.0	45.0	99.0	6.5	420.0	35.0	9.5
12.0	50.0	73.0	8.0	550.0	45.8	8.5
15.0	45.0	121.0	6.5	420.0	28.0	9.5
15.0	50.0	99.0	8.0	550.0	36.7	8.5
18.0	45.0	121.0	6.5	450.0	25.0	9.5
18.0	65.0	73.0	12.0	650.0	36.1	7.8
20.0	51.0	121.0	12.0	550.0	27.5	7.8
20.0	64.0	73.0	12.0	650.0	32.5	7.8
25.0	50.0	146.0	12.0	550.0	22.0	7.8
25.0	65.0	99.0	16.0	650.0	26.0	7.0
30.0	65.0	121.0	16.0	750.0	25.0	7.0
35.0	65.0	121.0	16.0	750.0	21.4	7.0
40.0	65.0	146.0	16.0	900.0	22.5	7.0
45.0	65.0	146.0	16.0	900.0	20.0	6.8
50.0	65.0	194.0	18.0	1000.0	20.0	6.0

■ DIMENSIONS / 产品尺寸：

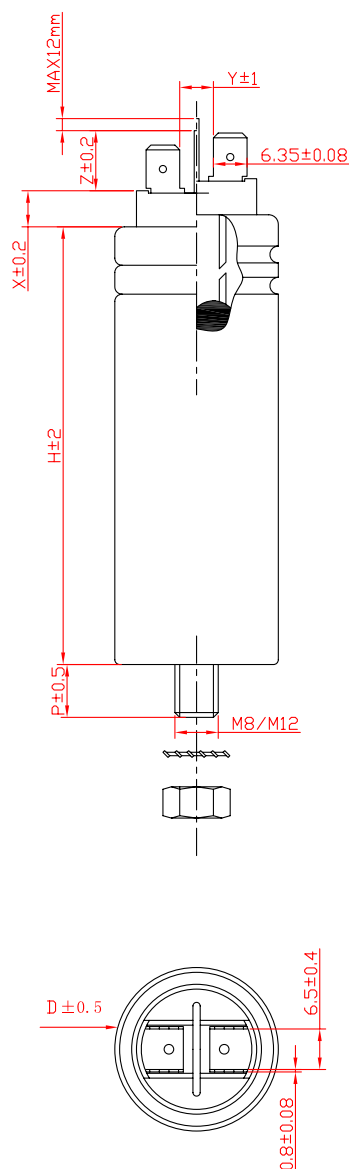
R.V. SIZE CAP(μF)	690 VAC					
	OD (mm)	H (mm)	I _{max} (A)	I _{peak} (A)	dv/dt (v/us)	ESR (mΩ)
10.0	55.0	150.0	12.0	750.0	75.0	8.9
15.0	55.0	150.0	12.0	750.0	50.0	8.3
20.0	65.0	150.0	16.0	900.0	45.0	6.5
30.0	65.0	165.0	16.0	900.0	30.0	6.5
40.0	75.0	180.0	25.0	1150.0	28.8	5.8
50.0	75.0	180.0	25.0	1150.0	23.0	5.4
70.0	85.0	210.0	40.0	1260.0	18.0	3.4
85.0	90.0	210.0	50.0	1530.0	18.0	3.0
100.0	100.0	210.0	50.0	1800.0	18.0	2.7
125.0	90.0	280.0	50.0	1563.0	12.5	2.6
150.0	100.0	280.0	50.0	1875.0	12.5	2.4
170.0	100.0	280.0	50.0	2125.0	12.5	2.2

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

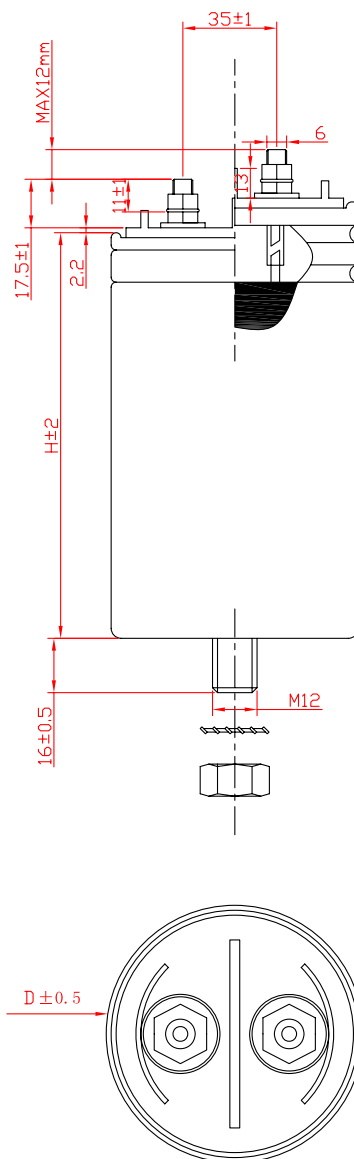
APM

■ Terminal Style:

Fast-on terminals



M6 screw terminals



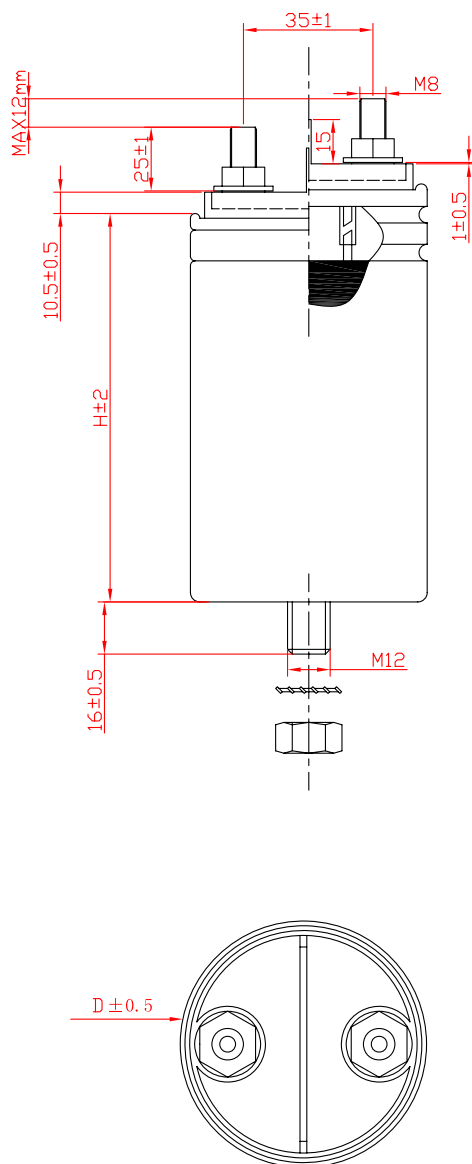
X = 5mm(D < 53mm)	Y = 8.30mm(D ≥ 40mm)
0mm(D ≥ 53mm)	6.30mm(D < 40mm)
Z = 13.5mm(D < 53mm)	P = 10mm(M8)
13mm(D ≥ 53mm)	16mm(M12)

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

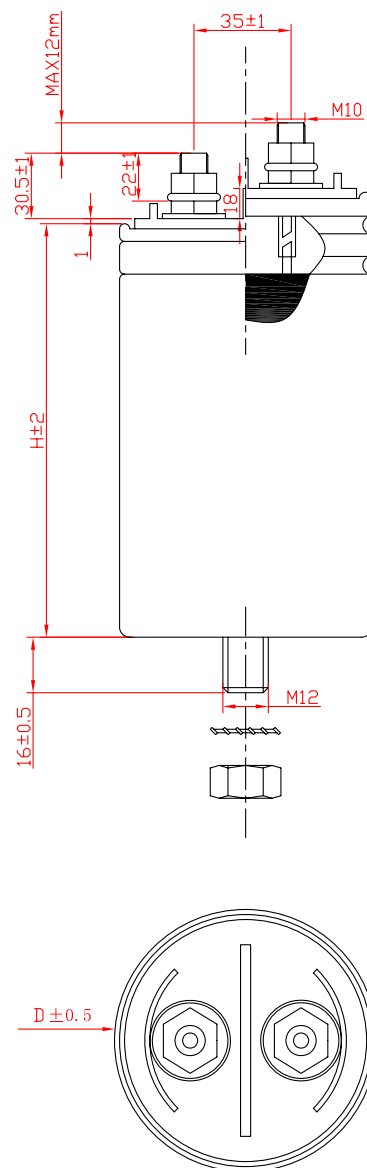
APM

■ Terminal Style:

M8 screw terminals



M10 screw terminals



Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APA

订购基本规格

■ EXPLANATION OF ARTICLE CODE

APA -	1 2 7	K	4 5	C	4 5
①	②	③	④	⑤	⑥

① Capacitor Type

TYPE	APA
CODE	APA-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%
CODE	J	K

④ Rated Voltage

Code for AC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250V	300V	350V	400V	450V
CODE	25	30	35	40	45

⑤ Terminal Configuration

FORM	THREADED STUD	THREADED STUD + MOUNTING
CODE	A	B
FORM STYLE		

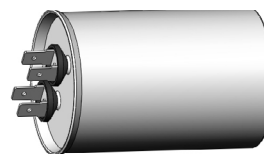
⑥ Case Diameter

Case	40.0	45.0	50.0	55.0	60.0	63.0
CODE	40	45	50	55	60	63

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APA

APA type capacitors are non-inductively wound with metallized polypropylene film as dielectric and casing in cylinder aluminum can filled with castor oil.



■ APPLICATIONS

For general AC applications mainly as motor run capacitor

■ FEATURES

Low dissipation factor

Self-healing properties

Fast-on terminals 6.3*0.8mm

Overpressure disconnection device

■ SPECIFICATIONS

Operating Temperature: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance range: $2.0\mu\text{F} \sim 100.0\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J})$

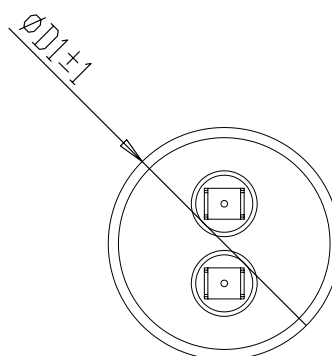
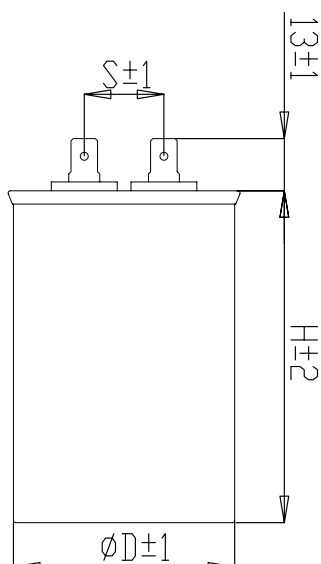
Dissipation Factor: 0.1% max 120 HZ, 25 °C

Rated Voltage: 450VAC

Insulation Resistance: 3000s

Utt: $2.15 \times V_r, 10\text{s}$

Utc: 2000VAC, 10s



Metallized Polypropylene Film Capacitor (Aluminium Can)

AC Application

APA

DIMENSIONS / 产品尺寸：

CAP(μF)	R.V.	450 VAC			
	SIZE	D ±1.0	D1 ±1.0	H ±2.0	S ±1.0
2.0		40.0	43.0	55.0	18.0
2.2		40.0	43.0	55.0	18.0
3.0		40.0	43.0	55.0	18.0
3.2		40.0	43.0	55.0	18.0
3.5		40.0	43.0	55.0	18.0
4.0		40.0	43.0	55.0	18.0
4.5		40.0	43.0	55.0	18.0
5.0		40.0	43.0	55.0	18.0
6.0		40.0	43.0	55.0	18.0
7.0		40.0	43.0	55.0	18.0
7.0		40.0	43.0	65.0	18.0
7.5		40.0	43.0	55.0	18.0
7.5		40.0	43.0	65.0	18.0
8.0		40.0	43.0	55.0	18.0
8.0		40.0	43.0	65.0	18.0
8.0		40.0	43.0	60.0	18.0
9.0		40.0	43.0	75.0	18.0
10.0		40.0	43.0	75.0	18.0
10.0		40.0	43.0	60.0	18.0
10.0		55.0	58.0	65.0	18.0
12.0		40.0	43.0	100.0	18.0
12.0		40.0	43.0	65.0	18.0
13.0		40.0	43.0	100.0	18.0
14.0		40.0	43.0	100.0	18.0
15.0		40.0	43.0	85.0	18.0
17.0		40.0	43.0	100.0	18.0
25.0		50.0	53.0	75.0	18.0
30.0		50.0	53.0	85.0	18.0
40.0		50.0	53.0	100.0	18.0
45.0		50.0	53.0	110.0	18.0
45.0		50.0	53.0	100.0	18.0
45.0		45.0	48.0	125.0	18.0
45.0		60.0	63.0	85.0	18.0
50.0		50.0	53.0	110.0	18.0
50.0		45.0	48.0	125.0	18.0
50.0		60.0	63.0	85.0	18.0
55.0		55.0	58.0	110.0	18.0
55.0		50.0	53.0	125.0	18.0
60.0		50.0	53.0	125.0	18.0
60.0		55.0	58.0	125.0	18.0
70.0		55.0	58.0	125.0	18.0
80.0		60.0	63.0	125.0	18.0
100.0		60.0	63.0	125.0	18.0
100.0		63.0	66.0	125.0	18.0

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APR

订购基本规格

■ EXPLANATION OF ARTICLE CODE

APR -	1 2 7	K	4 5	C	4 5
①	②	③	④	⑤	⑥

① Capacitor Type

TYPE	APR
CODE	APR-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1μF
106	=	10,000,000pF	=	10,000nF	=	10μF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%
CODE	J	K

④ Rated Voltage

Code for AC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250V	300V	350V	400V	450V
CODE	25	30	35	40	45

⑤ Terminal Configuration

FORM	THREADED STUD	THREADED STUD + MOUNTING
CODE	A	C
FORM STYLE		

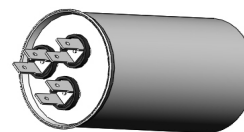
⑥ Case Diameter

Case	40.0	45.0	50.0	55.0	60.0	63.0
CODE	40	45	50	55	60	63

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APR

APR type capacitors are non-inductively wound with metallized polypropylene film as dielectric and casing in cylinder aluminium can filled with castor oil.



■ APPLICATIONS

For general AC applications mainly as motor run capacitor

■ FEATURES

Low dissipation factor

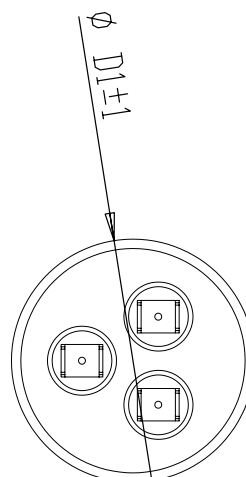
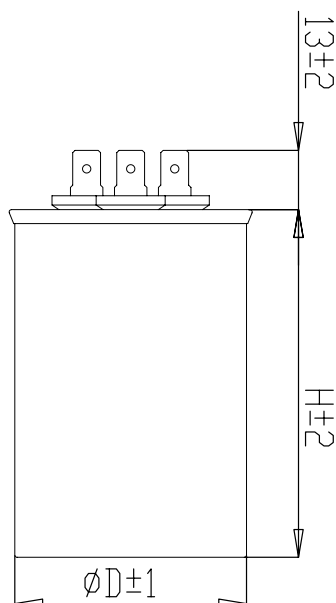
Self-healing properties

Fast-on terminals 6.3*0.8mm

Overpressure disconnection device

■ SPECIFICATIONS

Operating Temperature:	-25°C ~ +85°C
Capacitance range:	1+1 μ F ~ 80+15 μ F
Capacitance Tolerance:	±5%(J)
Dissipation Factor:	0.1% max 120 HZ, 25 °C
Rated Voltage:	450VAC
Insulation Resistance:	3000s
Utt:	2.15 x Vr,10s
Utc:	2000AC,10s



Metallized Polypropylene Film Capacitor (Aluminium Can)

AC Application

APR

■ DIMENSIONS / 产品尺寸：

R.V. SIZE CAP(μF)	450 VAC			
	D ±1.0	D1 ±1.0	H ±2.0	S ±1.0
1+1	50.0	53.0	50.0	20.0
10+1	50.0	53.0	55.0	20.0
15+1.5	50.0	53.0	65.0	20.0
20+3	50.0	53.0	75.0	20.0
25+5	50.0	53.0	85.0	20.0
25+10	45.0	48.0	100.0	20.0
25+10	50.0	53.0	87.0	20.0
30+1.5	45.0	48.0	100.0	20.0
30+1.8	45.0	48.0	100.0	20.0
30+2.0	45.0	48.0	100.0	20.0
30+5.0	45.0	48.0	100.0	20.0
30+5.0	50.0	53.0	105.0	20.0
30+5.0	50.0	53.0	87.0	20.0
30+6.0	50.0	53.0	87.0	20.0
30+10	45.0	48.0	100.0	20.0
30+10	50.0	53.0	87.0	20.0
30+15	45.0	48.0	125.0	20.0
30+15	50.0	53.0	100.0	20.0
35+1.5	50.0	53.0	87.0	20.0
35+2	50.0	53.0	87.0	20.0
35+3	50.0	53.0	87.0	20.0
35+4	50.0	53.0	87.0	20.0
35+5	45.0	48.0	100.0	20.0
35+5	50.0	53.0	105.0	20.0
35+5	50.0	53.0	87.0	20.0
35+6	50.0	53.0	100.0	20.0
35+8	50.0	53.0	100.0	20.0
35+10	45.0	48.0	125.0	20.0
35+10	50.0	53.0	100.0	20.0
35+15	45.0	48.0	125.0	20.0
35+15	50.0	53.0	100.0	20.0
40+5	45.0	48.0	100.0	20.0
40+5	50.0	53.0	100.0	20.0
40+5	50.0	53.0	120.0	20.0
40+10	45.0	48.0	125.0	20.0
40+10	50.0	53.0	100.0	20.0
40+15	45.0	48.0	125.0	20.0
40+15	50.0	53.0	100.0	20.0
45+5	45.0	48.0	125.0	20.0
45+5	50.0	53.0	100.0	20.0
45+6	50.0	53.0	125.0	20.0
45+10	45.0	48.0	125.0	20.0

■ DIMENSIONS / 产品尺寸：

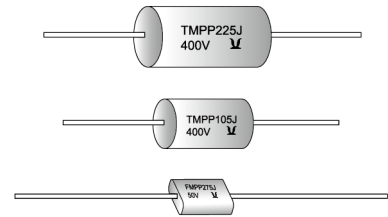
R.V. SIZE CAP(μF)	450 VAC			
	D ±1.0	D1 ±1.0	H ±2.0	S ±1.0
45+10	50.0	53.0	100.0	20.0
45+15	50.0	53.0	125.0	20.0
45+15	55.0	58.0	100.0	20.0
50+4	50.0	53.0	100.0	20.0
50+5	45.0	48.0	125.0	20.0
50+5	50.0	53.0	100.0	20.0
50+6	55.0	58.0	125.0	20.0
50+8	55.0	58.0	100.0	20.0
55+5	55.0	58.0	110.0	20.0
55+6	60.0	63.0	125.0	20.0
60+5	55.0	58.0	125.0	20.0
60+5	50.0	53.0	110.0	20.0
55+6	60.0	63.0	125.0	20.0
60+10	55.0	58.0	125.0	20.0
60+10	60.0	63.0	110.0	20.0
60+15	55.0	58.0	125.0	20.0
60+15	60.0	63.0	110.0	20.0
65+5	55.0	58.0	125.0	20.0
65+5	60.0	63.0	110.0	20.0
65+10	55.0	58.0	125.0	20.0
65+10	60.0	63.0	110.0	20.0
65+15	55.0	58.0	125.0	20.0
65+15	60.0	63.0	110.0	20.0
70+5	55.0	58.0	125.0	20.0
70+5	60.0	63.0	110.0	20.0
70+10	55.0	58.0	125.0	20.0
70+10	60.0	63.0	110.0	20.0
70+15	55.0	58.0	125.0	20.0
70+15	63.0	66.0	110.0	20.0
75+5	55.0	58.0	125.0	20.0
75+5	60.0	63.0	110.0	20.0
75+10	55.0	58.0	125.0	20.0
75+10	63.0	66.0	110.0	20.0
75+15	55.0	58.0	150.0	20.0
75+15	63.0	66.0	125.0	20.0
75+15	63.0	66.0	125.0	20.0
80+5	63.0	66.0	125.0	20.0
80+10	63.0	66.0	125.0	20.0
80+15	63.0	66.0	125.0	20.0

Metallized Polypropylene Film Capacitor (Axial Lead)

APW

金属化聚丙烯膜电容器(轴向导线型)

Type APW axial-leaded, metallized polypropylene capacitors with high capacitance values are ideal for high intensity discharge lighting and motor run applications. Flame retardant outer wrap and epoxy end seals provide moisture resistance.



FEATURES

Self-healing properties

High reliability and excellent long term stability

Flame retardant epoxy resin filling

Very low ESR

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Capacitance Range: $10.0\mu\text{F} \sim 70.0\mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Rated Voltage: 160VAC, 250VAC, 275VAC

Dissipation Factor: 0.2% max. at 1KHZ, 25°C

Insulation Resistance: $>5,000 \text{ M}\Omega \cdot \mu\text{F/C}$ ($C > 0.33\mu\text{F}$)

Dielectric Strength: 150% of rated voltage for 5 sec

DIMENSIONS

Unit: mm

R.V. SIZE CAP (μF)	160 VAC			250 VAC			275 VAC		
	L max.	OD max.	d(ϕ) ± 0.1	L max.	OD max.	d(ϕ) ± 0.1	L max.	OD max.	d(ϕ) ± 0.1
10.0	48.0	23.0	1.0	57.0	28.0	1.2	57.0	33.0	1.2
12.0	48.0	25.0	1.0	57.0	30.0	1.2	57.0	35.0	1.2
15.0	48.0	28.0	1.0	57.0	34.0	1.2	57.0	39.0	1.2
18.0	48.0	29.0	1.0	57.0	36.0	1.2	57.0	43.0	1.2
20.0	48.0	30.0	1.0	57.0	40.0	1.2	57.0	45.0	1.2
22.0	48.0	32.0	1.0	57.0	42.0	1.2	57.0	47.0	1.2
25.0	48.0	34.0	1.0	57.0	43.0	1.2	57.0	49.0	1.2
30.0	57.0	33.0	1.2	57.0	46.0	1.2	57.0	53.0	1.2
35.0	57.0	35.0	1.2	57.0	49.0	1.2	57.0	57.0	1.2
40.0	57.0	37.0	1.2	57.0	52.0	1.2			
45.0	57.0	39.0	1.2	57.0	55.0	1.2			
50.0	57.0	42.0	1.2	57.0	59.0	1.2			
55.0	57.0	43.0	1.2						
60.0	57.0	45.0	1.2						
65.0	57.0	46.0	1.2						
70.0	57.0	48.0	1.2						

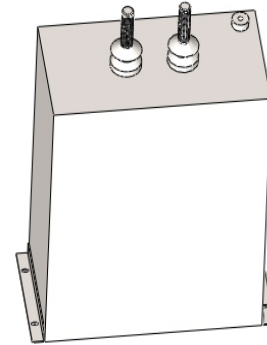
Energy Storage Capacitor

Series	Capacitance	Rated Voltage	Application	Page
EPS	500.0 μ F ~ 3000.0 μ F	1000VDC ~ 3000VDC	Switching Power Supply UPS System Industrial Inverter	127

Metallized Polypropylene Energy Storage Capacitor

EPS

High energy storage capacitors consist of wound metallized polypropylene film, filled with oil, providing good thermal stability. Many windings are internally connected in parallel or serial according to voltage rating. These capacitor are suitable for use in impulse voltage generator, impulse current generator and magnetizer, etc.



APPLICATIONS

Energy storage

Impulse voltage generator, impulse current generator

Magnetizer

FEATURES

High energy density

Self-healing properties

Oil style

Stainless steel case

Long life 20 millions cycles discharge

SPECIFICATIONS

Operating Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Capacitance Range: $500.0 \mu\text{F} \sim 3000.0 \mu\text{F}$

Capacitance Tolerance: $\pm 5\%(\text{J}), \pm 10\%(\text{K})$

Dissipation Factor: 1.0% max 100 HZ, 25°C

Rated Voltage: $1000 \text{ VDC} \sim 3000 \text{ VDC}$

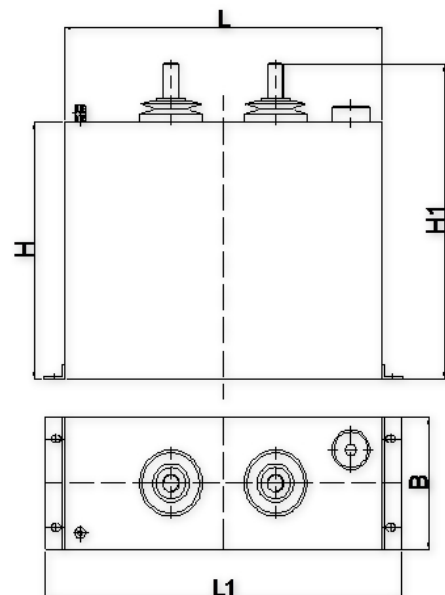
TEST DATA

Voltage Between Terminals(Utt):150% of rated voltage for 10 sec

Voltage Between Terminals and Case(Utc):3000VAC,60s at 50HZ

DIMENSIONS :

TYPE	L ± 2.0	L1 ± 2.0	B ± 2.0	H ± 2.0	H1 ± 2.0
1000V/3000 μF	300.0	340.0	120.0	250.0	300.0
2000V/1000 μF	300.0	340.0	120.0	300.0	350.0
3000V/500 μF	300.0	340.0	120.0	400.0	450.0



Remarks: These capacitors are customized products. Other type and dimensions are available on request.

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

DIELECTRIC MATERIALS

The electrical characteristics of a plastic film capacitor are to a great extent dictated by the properties of the dielectric materials used.

Polyester (PE) Film

has higher dielectric losses, as a result, is generally suitable for applications at frequencies 10KHz or less.

It has higher dielectric constant, thus, it can produce high capacitance values in smaller package sizes.

It also has wider working temperature range than other common used dielectric materials.

PE film capacitors are regarded as “general purpose capacitors”, providing the best volume efficiency of all film capacitors at moderate cost and preferably used for DC applications, such as decoupling, by-passing, blocking, and noise suppressions.

Polypropylene (PP) Film

has relatively low dissipation factor and dielectric loss, as a result, is suitable for applications of high voltage, high frequency and high pulse current.

It has rather narrow working temperature range, a lower dielectric constant and a negative temperature coefficient.

PP film capacitors are typically used in AC and pulse applications at high frequency, such as Flyback tuning and correction.

They are furthermore used in switching power supplies and snubber applications, in frequency discrimination and filter circuits, as well as in energy storage and sample & hold applications.

FILM CAPACITORS

Plastic film capacitors are generally subdivided into film / foil capacitors and metallized film capacitors.

Film / Foil Capacitors

Film / foil capacitors basically consist of two metal foil electrodes that are separated by an insulating plastic film also called dielectric. The terminals are connected to either the surface of the electrodes (usually inductive type) or the endfaces of the electrodes (non-inductive type). Film / foil capacitors provide high dielectric strength, excellent current-carrying and pulse-handling capability and capacitance stability.

Metallized Film Capacitors

The electrodes of a metallized film capacitor consist of an extremely thin aluminum layer (thickness from 0.02um to 0.1um) that is vacuum deposited either onto the dielectric film or onto a carrier film. The dielectric materials, currently used in capacitors, range from 0.9um to 20um thickness. The endfaces of a wound capacitor element are sprayed with some solder materials, and then respectively connected with one terminal by means of welding or soldering. These capacitors provide high volume efficiency and self-healing properties.

Self-healing Properties of Metallized Film Capacitor

Self-healing is the removal of a defect caused by pinholes, film flaws or external voltage transients. The heat generated by the arcing during a breakdown, evaporates the extremely thin metallization of the film around the point of failure, thereby removing and isolating the short circuit conditions.

The self-healing process requires only uW of power and a defect is normally isolated in less than 10us. Extensive and continuous self-healing (e.g. at misuses) will gradually decrease the capacitance value.

Dielectric Properties (Typical Values)

PARAMETER	Dielectric Constant @25°C/50Hz	Minimum Thickness (micron)	Max. Working Temperature (°C)	D.F. at 1 KHz (%)	Insulation Resistance (MΩ • uF)	Moisture Absorption % in weight	Temperature Coefficient (ppm / °C)
P E	3.2	1	125	0.5	25,000	0.4	+400 ± 200
P P	2.2	4	105	0.02	100,000	0.01	- 200 ± 100

Rated Voltage (V_R)

The rated voltage is the voltage for which a capacitor is designed. It is defined as the maximum DC or AC (RMS) voltage or pulse voltage that may be applied continuously to the terminals of a capacitor up to an operating temperature of +85°C. The rated voltage is dependent upon the property of the dielectric material, the film thickness and the operating temperature. Above +85°C, but below the maximum temperature, the rated voltage has to be derated in accordance to the dielectric material used.

Test Voltage or Dielectric Strength (V_T)

The V_T of a capacitor is higher than the V_R and may only be applied for a limited time. The dielectric strength is measured between the electrodes. The time applied is typically two seconds. The occurrence of self-healing during the application of the test voltage is permitted for metallized film capacitors.

AC Voltage (V_{AC})

The AC voltage rating in this catalogue refer to clean sinusoidal voltages without transients. The capacitors in this catalogue, except MPX type, must, therefore not be operated in main applications (e.g. Across the line). For operations in a higher frequency range, the applied AC voltage has to be derated. The derated V_{AC} are provided in the graphs "Permissible AC Voltage vs Frequency Curves" of this catalogue.

Pulse Voltage

The RMS value of a pulse voltage (V_{RMS}) must not exceed the rated AC voltage ($V_{R(AC)}$) of the capacitor.

$$V_{R(AC)} \geq V_{RMS}$$

The peak value of the pulse voltage (V_{o-p}) must not exceed the rated DC voltage ($V_{R(DC)}$) of the capacitor.

$$V_{R(DC)} \geq V_{o-p}$$

Superimposed AC Voltage

When a AC voltage is superimposed to a DC voltage, The sum of both the DC voltage (V_{DC}) and the peak value of the AC voltage (V_{o-p}) must not exceed the rated DC voltage ($V_{R(DC)}$) of the capacitor.

$$V_{R(DC)} \geq V_{DC} + V_{o-p}$$

Ambient Temperature (T_{amb})

The ambient temperature is the temperature in the immediate surrounding of the capacitor. It is identical to the surface temperature of an unloaded capacitor.

Maximum Temperature (T_{max})

The maximum temperature or upper category temperature is the highest temperature at which a capacitor may still be operated. At load operations, the sum of T_{amb} and temperature rise (ΔT) caused by the load conditions, must not exceed the maximum temperature (T_{max}).

Minimum Temperature (T_{min})

The minimum temperature or lower category temperature is the lowest temperature at which a capacitor may still be operated.

Rated Capacitance (C_R)

The rated capacitance is defined as the capacitive part of an equivalent series circuit consisting of capacitance and equivalent series resistance (ESR).

C_R is the capacitance for which the capacitor is designed. Its value is typically measured at a voltage of 1 V_{RMS} maximum, a frequency of 1 KHz $\pm 20\%$, and a temperature of +20°C. The capacitance tolerance indicates the acceptable deviation from the C_R at +20°C. As the dielectric constant of plastic film is frequency dependent, the capacitance value will decrease with increasing frequency. High relative humidity may increase the capacitance value. And the capacitance changes due to moisture are reversible.

Capacitance Drift (Longterm Stability)

In addition to reversible changes, the capacitance of a capacitor is also subject to irreversible changes (also known as "drift"). The drift is dependent upon the dielectric material. The drift decrease gradually over the time. Frequent and extreme temperature changes may increase the drift value.

Temperature Coefficient (TC)

The temperature coefficient is the average capacitance change over a specified temperature range. It indicates how much a capacitance changes referred to +20°C, if the temperature changes by 1°C. The TC is typically expressed in ppm / °C. The TC can either be positive or negative, depending upon the dielectric material.

$$TC = \frac{(C_2 - C_1) \times 1,000,000}{C_{20} \times (T_2 - T_1)} \text{ (ppm / } ^\circ\text{C)}$$

C_1 = capacitance at temperature T_1 (μF)

C_2 = capacitance at temperature T_2 (μF)

C_{20} = reference capacitance at +20 $\pm 2^\circ\text{C}$ (μF)

Dissipation Factor (DF) ($\tan\delta$)

The dissipation factor, also known as “ $\tan\delta$ ”, is the ratio of the ESR to the capacitive reactance X_C (series capacitance) or the active power to the reactive power at a sinusoidal voltage of a specified frequency. The DF reflects the polarization losses of the dielectric film and the losses caused by the contact resistances of the capacitor. Parallel losses due to the insulation resistance of film capacitors can be neglected.

The DF is temperature and frequency dependent.

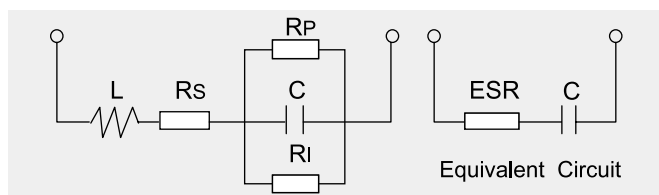
$$DF = \tan\delta = \frac{ESR}{X_C}$$

The reciprocal value of DF is also known as Q-factor.

$$Q = \frac{1}{\tan\delta}$$

Equivalent Series Resistance (ESR)

The ESR is the ohmic part of an equivalent series circuit. Its value assumes all losses to be represented by a single resistance in series with the idealized capacitor.



The ESR consists of the polarization losses of the dielectric material (R_P), the insulation resistance (R_I) and the losses caused by resistance of the leads, termination and electrodes (R_S).

$$ESR = \frac{\tan\delta}{2\pi f C} \text{ (} \Omega \text{)}$$

Insulation Resistance (R_I) and Time Constant (t)

The insulation resistance is the ratio of an applied DC voltage to the resulting leakage current (I_L), flowing through the dielectric and over its body surface after the initial charging current has ceased.

The R_I is typically measured after 60 ± 5 sec. At $+20^\circ\text{C}$ and a relative humidity (R.H.) of $50 \pm 2\%$.

$$R_I = \frac{V_{DC}}{I_L} \text{ (} \Omega \text{)}$$

The R_I depends upon the property and the quality of the dielectric material and the capacitor's construction. The R_I decreases with increasing temperature and / or increasing humidity. R_I changes due to moisture are reversible. For capacitors with high C values, the R_I is shown as time constant (t). It is the product of R_I and capacitance and is expressed in second Or $M\Omega \cdot \mu\text{F}$.

$$t = R_I \times C \text{ (} M\Omega \cdot \mu\text{F} \text{)}$$

Inductance (L)

The inductance of a capacitor is dependent upon the geometric design of the capacitor element and the length and the thickness of the contacting terminals. Typical inductance values of radial leaded capacitor types are $1.0 \text{ nH} / 1 \text{ mm}$ lead length.

Impedance (Z)

The impedance Z is the magnitude of the vectorial sum of ESR and the capacitive reactance X_C in an equivalent series circuit under consideration of the series inductance L .

$$Z = \sqrt{ESR^2 + (\omega L - 1/\omega C)^2}$$

Dissipation Power (PD)

$$PD = V_{RMS}^2 \times 2\pi f C \times \tan\delta \times 1000 \text{ (mW)}$$

PD = dissipation power (mW)

V_{RMS} = applied RMS voltage (V)

f = frequency (Hz)

C = capacitance (F)

$\tan\delta$ = dissipation factor at frequency f

Resonant Frequency (f_R)

The f_R is a function of the capacitance C and the inductance L of a capacitor. At resonant frequency, the capacitive reactance equals the inductive reactance ($1/\omega C = \omega L$). At its lowest point of the resonant curve, only ohmic value is effective, and the impedance Z equals the ESR. Above the f_R , the inductive part of the capacitor prevails.

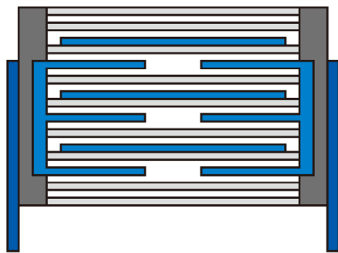
Pulse Rise Time (dv / dt)

The pulse rise time indicates the ability of a capacitor to withstand rapid voltage changes and hence high current peaks. The dv / dt value, expressed in $V / \mu\text{s}$, represents the steepest voltage gradient of the pulse (rise or fall time). The dv / dt value depends upon the properties of the dielectric material, the film thickness and the capacitor's construction. For film-foil capacitors the applied dv / dt is not limited, if the temperature rise caused by the pulse load is still under its limit.

Pulse Load and Current Handling Capability

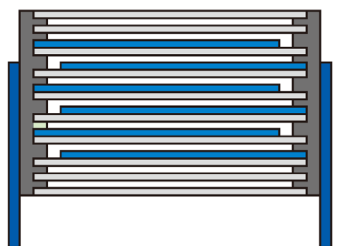
To prevent a capacitor from overheating, the following factors of applied pulse load have to be considered: maximum pulse voltage (V_{p-p}), pulse shape, dv / dt , frequency, pulse current, T_{amb} and cooling conditions.

For critical applications, please forward your voltage and current waveforms (the worst case conditions) for our type proposal.



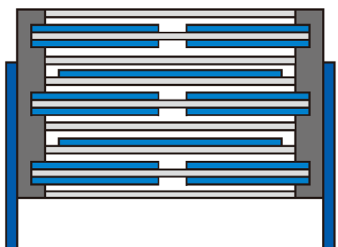
METALLIZED FILM & FILM-FOIL DESIGN
(INTERNAL SERIES)

MPPS, PPBS



EXTENDED METALLIZED FILM DESIGN

DMPE, MPEM, MPEB, TMPE, TMPP,
MPP, MPH, MPHT, MPPB, MPH
MPX2, ,FPB, FPW, FPV
DPB, DPK, DPG, DPM,
APB, APW, APT, APM

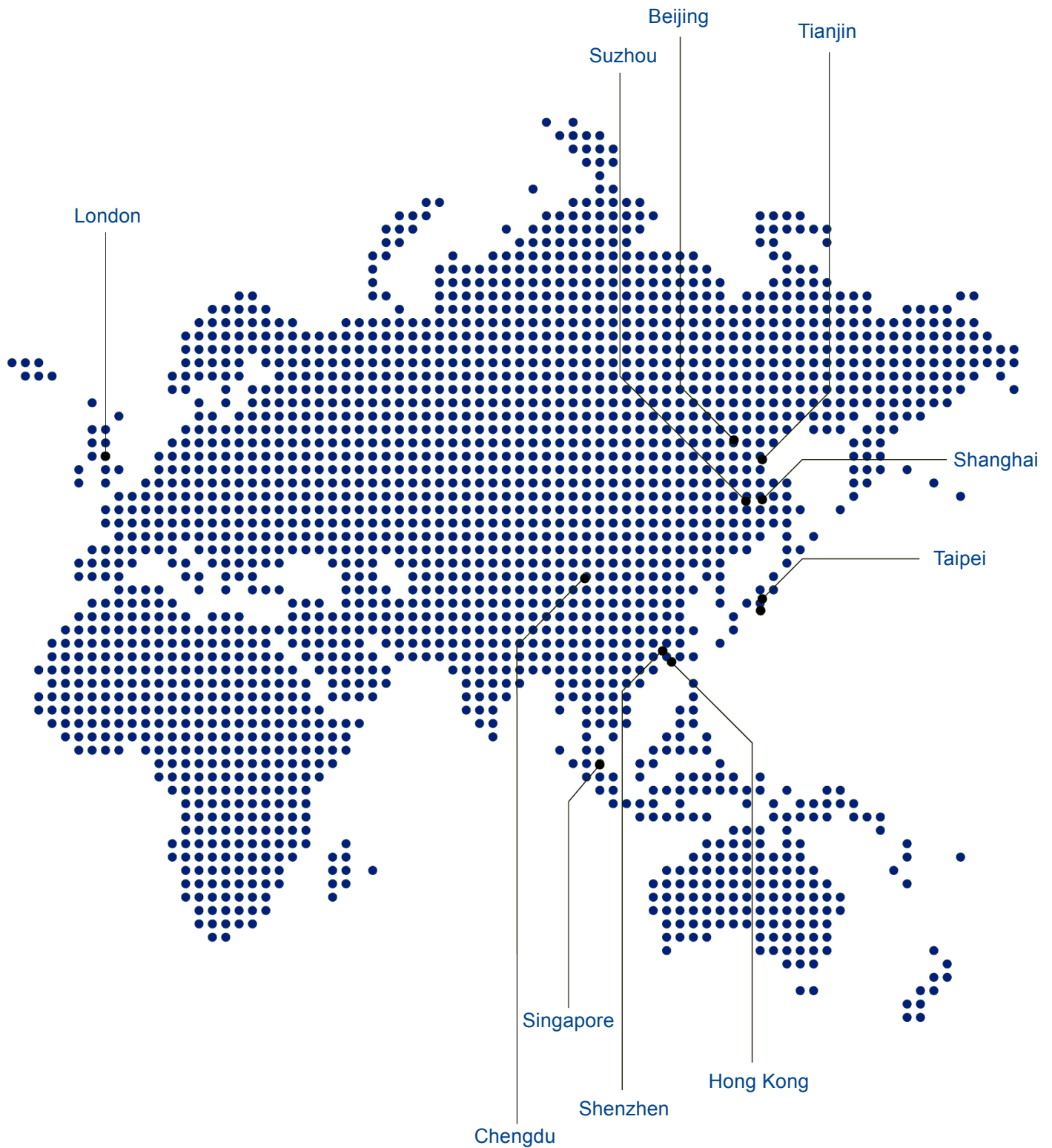


METALLIZED FILM & DOUBLE SIDE
METALLIZED DESIGN
(INTERNAL DESIGN)

MPLB, SLB, SLE, SLW, SLV

Waveform							
RMS Value	$\frac{Vo-p}{\sqrt{2}}$	$Vo-p \sqrt{\frac{t}{2T}}$	$\frac{Vo-p}{\sqrt{2}}$	$\frac{Vo-p}{\sqrt{3}}$	$Vo-p \sqrt{\frac{t}{3T}}$	$Vo-p$	$Vo-p \sqrt{\frac{t}{T}}$

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