

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

DPE

订购基本规格

EXPLANATION OF ARTICLE CODE

DPE-	106	K	2K	N	42	S	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPE
CODE	DPE-

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	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

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
CODE	2J	2S	2K	2T	2U	3A	3L	3M

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

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DPE -	106	K	2K	N	42	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

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High capacity 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, 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

Operating Temperature: -40°C - +100°C

Capacitance range: 0.68μF - 100μF

Capacitance Tolerance: ±5%(J), ±10%(K) at 1KHz

Rated Voltage: 575VDC - 1275VDC

Dissipation Factor:
(1 kHz, 25 °C)
C ≤ 4uF 0.06% max
4uF <C ≤ 12uF 0.08% max
12uF <C ≤ 20uF 0.11% max
20 uF<C ≤ 40uF 0.14% max
40 uF<C ≤ 75uF 0.17% max
C > 75 0.2% max

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

Insulation Resistance: >3,000 MΩ.uF/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

Self Inductance ≤1nH/mm of lead spacing and
lead length

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■ DIMENSIONS / 产品尺寸 :

SIZE		575 V D C						
R.V. CAP(μF)	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
12.0	42.5	28.0	17.0	M6	19.0	228.0	11.0	6.4
15.0	42.5	30.0	22.0	M6	19.0	285.0	14.0	5.6
20.0	41.5	40.0	20.0	M6	19.0	380.0	16.0	4.7
25.0	42.5	37.0	28.0	M6	19.0	475.0	14.0	4.2
30.0	42.5	37.0	28.0	M6	19.0	570.0	18.5	3.9
35.0	42.5	45.0	30.0	M6	19.0	665.0	21.0	3.5
40.0	42.5	45.0	30.0	M6	19.0	760.0	22.0	3.2
50.0	57.5	45.0	30.0	M6	12.5	625.0	23.0	3.6
60.0	57.5	50.0	35.0	M6	12.5	750.0	26.0	3.2
75.0	57.5	50.0	35.0	M6	12.5	937.5	27.5	2.9

■ DIMENSIONS / 产品尺寸 :

SIZE		700 V D C						
R.V. CAP(μF)	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
12.0	42.5	30.0	22.0	M6	21.0	252.0	13.5	5.6
15.0	42.5	33.5	22.0	M6	21.0	315.0	15.0	4.7
20.0	42.5	44.0	24.0	M6	21.0	420.0	18.5	4.0
20.0	42.5	37.0	28.0	M6	21.0	420.0	14.5	4.0
22.0	42.5	44.0	24.0	M6	21.0	462.0	18.5	3.8
22.0	42.5	37.0	28.0	M6	21.0	462.0	18.5	3.8
25.0	42.5	44.0	24.0	M6	21.0	525.0	19.5	3.5
30.0	42.5	45.0	30.0	M6	21.0	630.0	22.0	3.5
40.0	57.5	45.0	30.0	M6	14.5	580.0	23.5	3.4
45.0	57.5	45.0	30.0	M6	14.5	652.5	24.5	3.2
50.0	57.5	50.0	35.0	M6	14.5	725.0	27.0	3.0
55.0	57.5	50.0	35.0	M6	14.5	797.5	27.5	2.9
60.0	57.5	50.0	35.0	M6	14.5	870.0	28.5	2.7

■ DIMENSIONS / 产品尺寸 :

SIZE		900 V D C						
R.V. CAP(μF)	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
7.5	42.5	30.0	22.0	M6	28.0	210.0	12.5	7.2
10.0	42.5	33.5	22.0	M6	28.0	280.0	13.5	5.9
15.0	41.5	44.0	24.0	M6	28.0	420.0	17.5	4.5
15.0	42.5	37.0	28.0	M6	28.0	420.0	17.0	4.5
20.0	42.5	45.0	30.0	M6	28.0	560.0	20.5	3.7
25.0	57.5	45.0	30.0	M6	18.5	462.5	21.5	4.2
35.0	57.5	50.0	35.0	M6	18.5	647.5	26.0	3.3

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■ DIMENSIONS / 产品尺寸：

SIZE		1000 V D C						
R.V. CAP(μF)	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
4.7	42.5	28.0	17.0	M6	31.0	145.7	9.5	8.7
5.0	42.5	28.0	17.0	M6	31.0	155.0	10.0	8.5
6.8	42.5	30.0	22.0	M6	31.0	210.8	12.0	7.0
7.5	42.5	33.5	22.0	M6	31.0	232.5	13.0	6.6
9.0	41.5	40.0	20.0	M6	31.0	279.0	15.0	5.8
12.0	41.5	44.0	24.0	M6	31.0	372.0	17.0	4.9
12.0	42.5	37.0	28.0	M6	31.0	372.0	16.5	4.9
15.0	42.5	45.0	30.0	M6	31.0	465.0	19.5	4.2
22.0	57.5	45.0	30.0	M6	21.0	462.0	21.5	4.1
30.0	57.5	50.0	35.0	M6	21.0	630.0	26.0	3.3

■ DIMENSIONS / 产品尺寸：

SIZE		1100 V D C						
R.V. CAP(μF)	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
4.0	42.5	28.0	17.0	M6	34.0	136.0	9.5	9.1
4.7	42.5	30.0	22.0	M6	34.0	159.8	11.5	7.5
5.0	42.5	30.0	22.0	M6	34.0	170.0	11.5	7.3
6.8	42.5	33.5	22.0	M6	34.0	231.2	13.5	6.1
7.5	42.5	40.0	20.0	M6	34.0	255.0	14.0	5.7
10.0	42.5	44.0	24.0	M6	34.0	340.0	17.5	4.7
10.0	42.5	37.0	28.0	M6	34.0	340.0	17.0	4.7
12.0	42.5	45.0	30.0	M6	34.0	408.0	19.5	4.2
20.0	57.5	45.0	30.0	M6	23.0	460.0	22.5	3.8
22.0	57.5	50.0	35.0	M6	23.0	506.0	24.5	3.6
25.0	57.5	50.0	35.0	M6	23.0	575.0	25.5	3.4

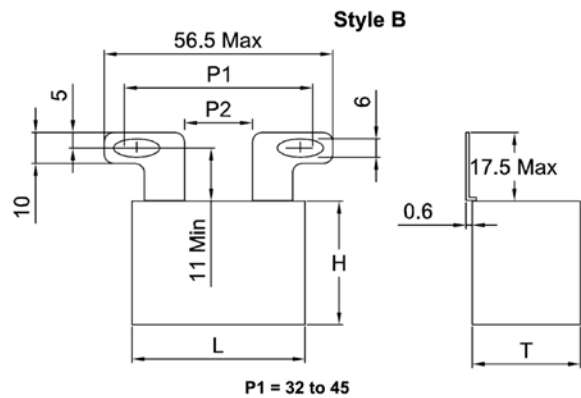
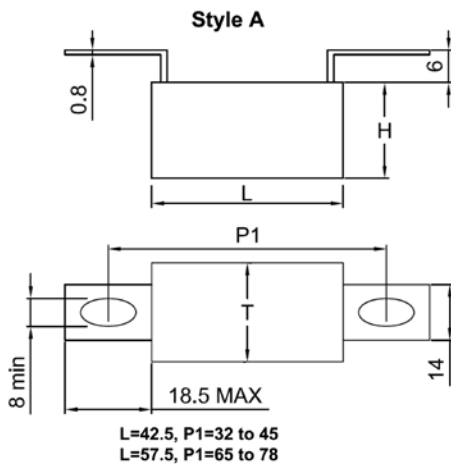
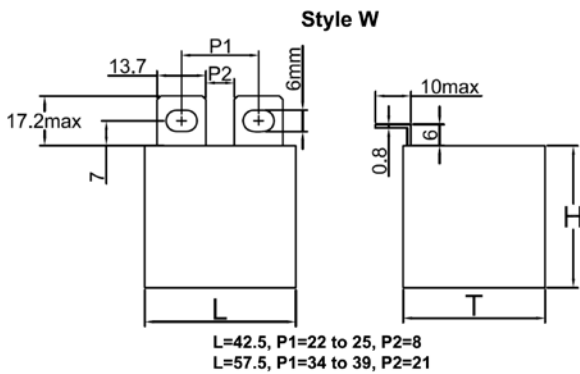
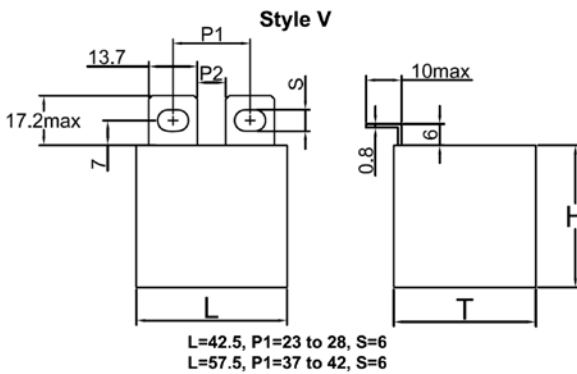
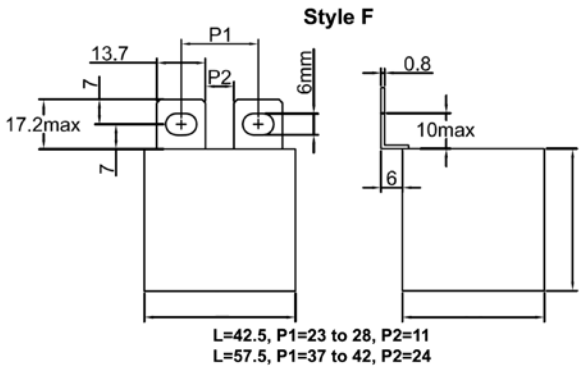
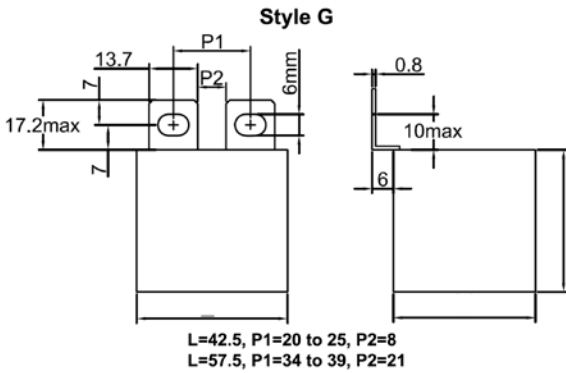
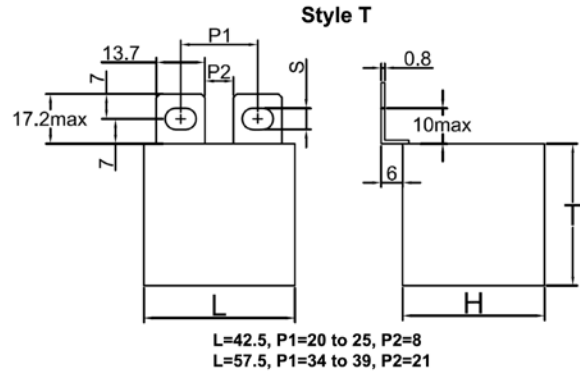
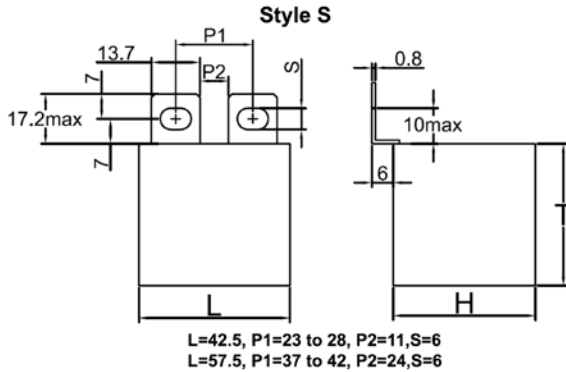
■ DIMENSIONS / 产品尺寸：

SIZE		1275 V D C						
R.V. CAP(μF)	W (mm)	H (mm)	T (mm)	Output	dv/dt (v/us)	I peak (A)	Irms @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
3.0	42.5	28.0	17.0	M6	41.0	123.0	9.5	9.3
3.3	42.5	30.0	22.0	M6	41.0	135.3	10.5	8.8
4.0	42.5	30.0	22.0	M6	41.0	164.0	11.5	7.9
4.7	42.5	33.5	22.0	M6	41.0	192.7	12.5	7.1
5.0	42.5	33.5	22.0	M6	41.0	205.0	12.5	6.9
6.8	41.5	44.0	24.0	M6	41.0	278.8	16.0	5.7
7.5	41.5	44.0	24.0	M6	41.0	307.5	16.5	5.3
7.5	42.5	37.0	28.0	M6	41.0	307.5	16.0	5.3
10.0	42.5	45.0	30.0	M6	41.0	410.0	19.0	4.3
12.0	57.5	45.0	30.0	M6	28.0	336.0	19.5	4.9
15.0	57.5	45.0	30.0	M6	28.0	420.0	21.0	4.3
20.0	57.5	50.0	35.0	M6	28.0	560.0	25.0	3.6

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Terminal Style:



Unit = Milimeter (mm)