

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

SLE

订购基本规格

EXPLANATION OF ARTICLE CODE

SLE -	105	K	3M	N	42	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	=	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	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2J	2S	SK	ST	SU	3A	3L	3M	3B	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

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High voltage and current adsorption capacitor consists 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

Flame resistance case and resin

Multiple Lead Styles

■ SPECIFICATIONS

Operating Temperature:	-40°C - +85°C
Capacitance range:	0.0047μF - 5.6μF
Capacitance Tolerance:	±5%(J), ±10%(K) at 1KHz
Rated Voltage:	700VDC - 3000VDC
Dissipation Factor:	<0.06% at 1 kHz, 25 °c
Dielectric Withstand:	1.6 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

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■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	700 V D C							
	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
1.2	42.5	27.5	24.5	M6	600	720	17.5	3.1
2.0	42.5	35.5	33.5	M6	600	1200	23.5	2.5
2.2	42.5	35.5	33.5	M6	600	1320	24.0	2.4
2.5	42.5	35.5	33.5	M6	600	1500	24.5	2.2
3.0	42.5	45.0	33.0	M6	600	180	27.5	2.1
3.3	42.5	45.0	33.0	M6	600	1980	28.0	2.1
3.5	42.5	45.0	33.0	M6	600	2100	28.5	2.0
4.0	57.5	45.0	30.0	M6	360	1440	29.0	2.3
4.7	57.5	50.0	35.0	M6	360	1692	32.0	2.1
5.0	57.5	50.0	35.0	M6	360	1800	32.0	2.1
5.6	57.5	50.0	35.0	M6	360	2016	33.5	2.0

■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	850 V D C							
	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
0.82	42.5	27.5	24.5	M6	750	615	16.5	3.1
1.0	42.5	27.5	24.5	M6	750	750	18.5	2.7
1.5	42.5	35.5	33.5	M6	750	1125	24.5	2.2
1.75	42.5	35.5	33.5	M6	750	1312.5	25.5	2.1
2.0	42.5	45.5	33.0	M6	750	1500	28.0	2.0
2.2	42.5	45.0	33.0	M6	750	1650	28.5	2.0
2.5	42.5	45.0	33.0	M6	750	1875	29.0	1.9
2.5	57.5	50.0	35.0	M6	450	1125	29.0	1.9
3.0	57.5	45.0	30.0	M6	450	1350	29.5	2.2
3.3	57.5	45.0	30.0	M6	450	1485	30.0	2.1
4.0	57.5	50.0	35.0	M6	450	1800	33.5	1.9
5.0	57.5	45.0	30.0	M6	110	550	28.0	2.2

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

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■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	1000 V D C							
	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
0.68	42.5	27.5	24.5	M6	870	591.6	16.5	3.3
0.75	42.5	27.5	24.5	M6	870	652.5	17.5	3.1
1.2	42.5	35.5	33.5	M6	870	1044	23.5	2.5
1.5	42.5	35.5	33.5	M6	870	1305	25.0	2.2
1.75	42.5	45.0	33.0	M6	870	1522.5	27.0	2.1
2.0	42.5	45.0	33.0	M6	870	1740	28.0	2.0
2.2	42.5	45.0	33.0	M6	750	1650	24.0	3.3
2.2	57.5	45.0	30.0	M6	500	1100	27.5	2.5
2.5	42.5	45.0	33.0	M6	750	1875	24.5	3.1
3.0	57.5	45.0	30.0	M6	450	1350	24.5	3.7
3.0	57.5	50.0	35.0	M6	500	1500	32.0	2.1
3.3	57.5	45.0	30.0	M6	450	1485	25.5	3.5
3.3	57.5	50.0	35.0	M6	1650	5445	32.5	2.0
4.0	57.5	50.0	35.0	M6	450	1800	29.5	3.1

■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	1200 V D C							
	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
0.33	42.5	27.5	24.5	M6	1000	330	12.5	5.1
0.39	42.5	27.5	24.5	M6	1000	390	14.0	4.6
0.47	42.5	27.5	24.5	M6	1000	470	15.0	4.1
0.56	42.5	27.5	24.5	M6	1000	560	16.0	3.7
0.68	42.5	35.5	33.5	M6	1000	680	20.0	3.3
0.82	42.5	35.5	33.5	M6	1000	820	21.0	3.0
1.0	42.5	35.5	33.5	M6	1000	1000	22.5	2.7
1.2	42.5	35.5	33.5	M6	1000	1200	25.0	2.4
1.2	42.5	45.0	33.0	M6	1200	1440	25.0	2.4
1.5	42.5	35.5	33.5	M6	870	1305	21.0	3.6
1.5	42.5	45.0	33.0	M6	1000	1500	27.5	2.1
2.0	42.5	45.0	33.0	M6	870	1740	24.5	3.3
2.0	57.5	45.0	30.0	M6	575	1150	28.0	2.4
2.2	57.5	45.0	30.0	M6	500	1100	23.5	4.1
2.2	57.5	50.0	35.0	M6	575	1265	31.0	2.3
2.5	57.5	45.0	30.0	M6	500	1250	24.5	3.8
3.0	57.5	50.0	35.0	M6	575	1725	32.5	2.1
3.3	57.5	50.0	35.0	M6	500	1650	28.5	3.2

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

SLE

■ DIMENSIONS / 产品尺寸：

SIZE		1500 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
0.33	42.5	27.5	24.5	M6	1220	402.6	14.0	4.6
0.39	42.5	27.5	24.5	M6	1220	475.8	14.5	4.3
0.47	42.5	35.5	33.5	M6	1220	573.4	19.0	3.7
0.68	42.5	35.5	33.5	M6	1220	829.6	21.0	3.1
0.75	42.5	35.5	33.5	M6	1220	915	22.0	2.8
1	42.5	45.0	33.0	M6	1220	1220	23.0	2.5
1.2	57.5	45	30	M6	870	1044	26.0	2.8
1.5	57.5	50.0	35.0	M6	725	1087.5	29.5	2.5
1.8	57.5	50.0	35.0	M6	725	1305	30.5	2.3

■ DIMENSIONS / 产品尺寸：

SIZE		2000 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
0.1	42.5	27.5	24.5	M6	1600	160	8.5	12.5
0.15	42.5	27.5	24.5	M6	1600	240	11.0	7.5
0.22	42.5	27.5	24.5	M6	1600	352	13.5	5.1
0.33	42.5	27.5	24.5	M6	1220	402.6	12.5	7.4
0.33	42.5	35.5	33.5	M6	1600	528	18.0	4.1
0.39	42.5	35.5	33.5	M6	1000	390	17.5	3.6
0.47	42.5	35.0	33.5	M6	1220	573.4	16.5	6.0
0.47	42.5	37.0	28.0	M6	1000	470	19.0	3.1
0.47	42.5	45.0	33.0	M6	1600	752	22.0	3.2
0.56	42.5	45.0	33.0	M6	1600	896	23.0	3.0
0.68	42.5	35.5	33.5	M6	1220	829.6	18.0	5.0
0.68	57.5	45.0	30.0	M6	930	632.4	23.0	3.5
0.82	42.5	45.0	33.0	M6	1220	1000.4	20.0	4.6
0.82	57.5	45.0	30.0	M6	930	762.6	24.5	3.1
1.0	42.5	45.0	33.0	M6	1220	1220	21.5	4.1
1.0	57.5	50.0	35.0	M6	930	930	28.0	2.8
1.2	57.5	45.0	30.0	M6	725	870	22.5	4.5
1.5	57.5	50.0	35.0	M6	725	1087.5	26.0	4.0

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

SLE

■ DIMENSIONS / 产品尺寸：

SIZE		2500 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
0.1	42.5	27.5	24.5	M6	2050	205	9.0	11.0
0.15	42.5	27.5	24.5	M6	2050	307.5	11.5	7.2
0.22	42.5	35.5	33.5	M6	2050	451	16.0	5.2
0.33	42.5	35.5	33.5	M6	2050	676.5	19.0	3.8
0.47	42.5	45.0	33.0	M6	2050	963.5	23.0	3.0
0.56	57.5	45.0	30.0	M6	1150	644	23.0	3.5
0.68	57.5	50.0	35.0	M6	1150	782	26.0	3.2
0.82	57.5	50.0	35.0	M6	1150	943	27.5	2.9
1.0	57.5	50.0	35.0	M6	930	930	23.5	4.6
1.2	57.5	50.0	35.0	M6	930	1116	23.5	4.1

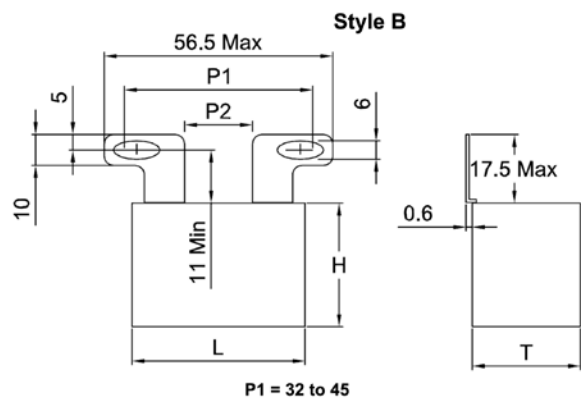
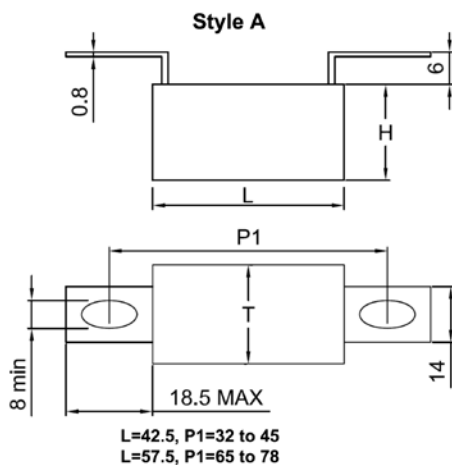
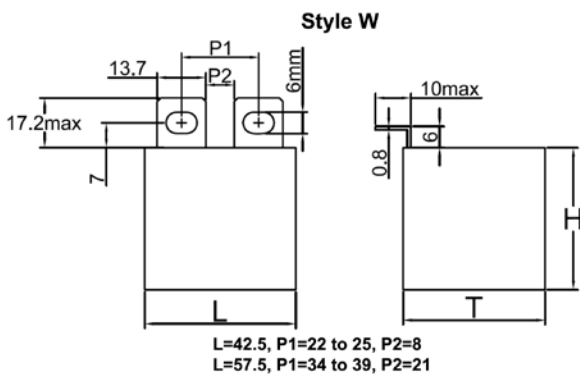
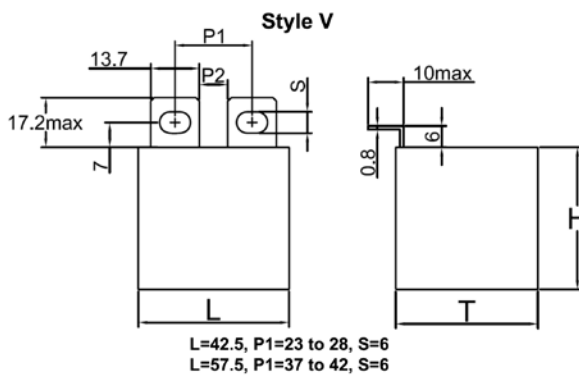
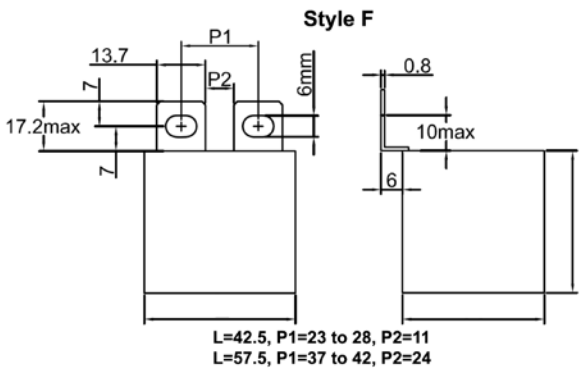
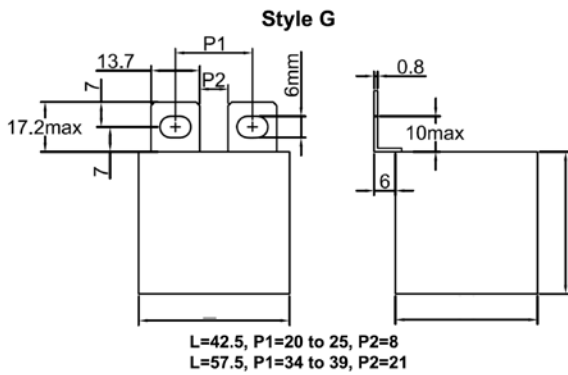
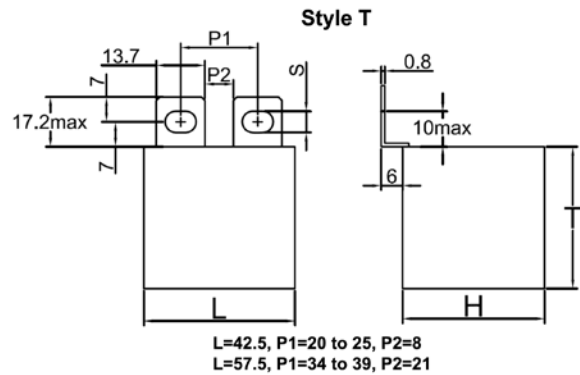
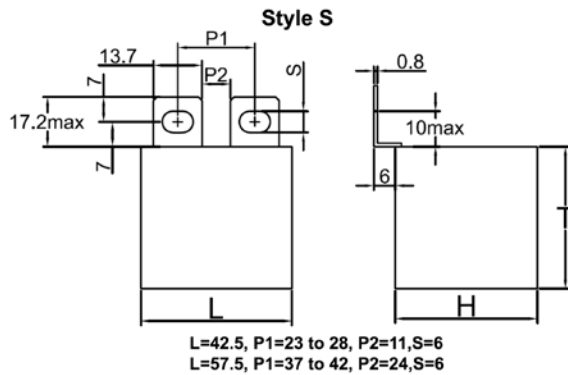
■ DIMENSIONS / 产品尺寸：

SIZE		3000 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
0.047	42.5	27.5	24.5	M6	2500	117.5	7.5	16.5
0.068	42.5	27.5	24.5	M6	2500	170	9.0	11.5
0.1	42.5	27.5	24.5	M6	2500	250	12.5	8.5
0.15	42.5	27.5	24.5	M6	2500	375	15.0	6.0
0.22	42.5	35.5	33.5	M6	2500	550	14.5	8.2
0.22	42.5	45.5	33.0	M6	2500	550	19.0	4.3
0.33	42.5	35.0	33.5	M6	2050	676.5	16.5	6.1
0.33	42.5	37.0	28.0	M6	1400	462	21.0	4.3
0.47	42.5	45.0	33.0	M6	2050	963.5	19.5	5.0
0.47	42.5	45.0	33.0	M6	1400	658	24.0	3.8
0.68	42.5	35.5	33.5	M6	1150	782	22.0	5.2
0.82	57.5	45.0	30.0	M6	1150	943	24.0	4.7

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

SLE

Terminal Style:



Unit = Milimeter (mm)

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

SFW

订购基本规格

EXPLANATION OF ARTICLE CODE

SFW-	105	K	3A	A	46	L	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SFW
CODE	SFW-

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

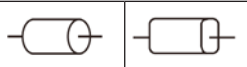
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

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

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

⑤ Lead Configuration

CODE	A
LEAD TYPE	

⑥ Length

Unit: mm

Lead Pitch	29.0	34.0	46.0	55.0	59.0
CODE	29	34	46	55	59

⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

⑧ Lead Length

Lead Pitch	N/A
CODE	L