

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

③ Capacitance Tolerance

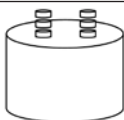
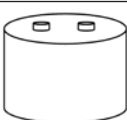
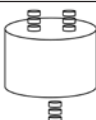
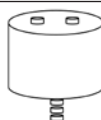
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

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

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

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	37.5	41.5	45.0	52.5
CODE	37	41	45	52

⑦ Terminal

TERMINAL	M3	M4	M5	M6	M8	M10	M12
CODE	C	D	E	F	H	J	L

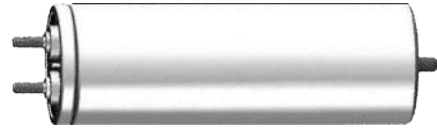
⑧ Terminal Length

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 capacity DC Filter 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: -40°C -- $+85^{\circ}\text{C}$.

Capacitance Range: $50\mu\text{F}$ - $600\mu\text{F}$.

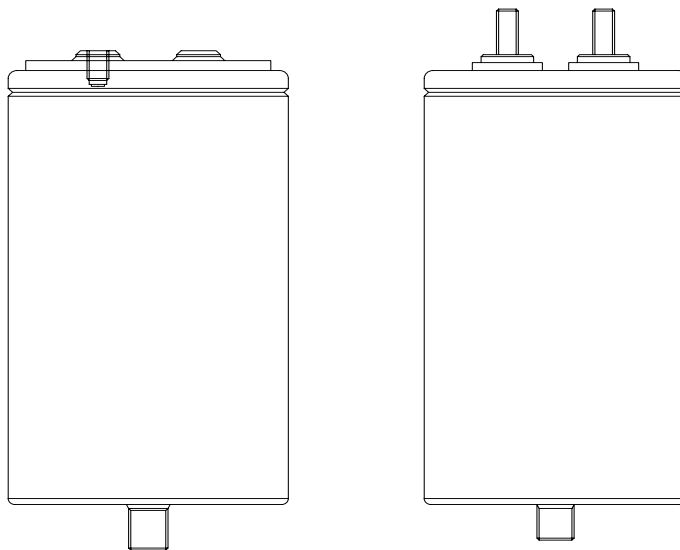
Capacitance Tolerance: $\pm 10\%(K)$.

Rated Voltage: 700VDC - 1300VDC .

Dielectric Strength: $1.5 \times$ rated voltage for 2s
(terminal to terminal)

Terminals to Case: 3.0 KV for 2 sec. @ 25°C

Life Expectancy: 100,000 hours at U_n 85°C



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

DPM

■ DIMENSIONS / 产品尺寸

SIZE R.V. CAP(μF)	700 V D C									
	(mm)	H (mm)	H1 (mm)	ESL nH	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +40°C (A)	I _{rms} @100KHz +55°C (A)	I _{rms} @100KHz +75°C (A)	ESR @100KHz +25°C mΩ
120	76	55	61	36	21	2520	63	55	33	1.0
160	85	55	61	36	21	3360	73	60	38	0.8
175	76	70	76	40	14	2450	62	52	34	1.2
225	85	70	76	40	14	3150	70	60	35	1.1
350	76	120	126	50	7	2450	55	45	30	2.6
425	76	140	146	60	6	2550	55	45	30	3.1
450	85	120	126	50	7	3150	65	55	32	2.2
550	85	140	146	60	6	3300	65	55	32	2.5

■ DIMENSIONS / 产品尺寸

SIZE R.V. CAP(μF)	900V D C									
	(mm)	H (mm)	H1 (mm)	ESL nH	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +40°C (A)	I _{rms} @100KHz +55°C (A)	I _{rms} @100KHz +75°C (A)	ESR @100KHz +25°C mΩ
75	76	55	61	36	26	1950	57	47	30	1.1
100	85	55	61	36	26	2600	65	53	32	1.0
110	76	70	76	40	17	1870	57	47	30	1.5
150	85	70	76	40	17	2550	65	55	35	1.2
220	76	120	126	50	9	1980	50	42	27	3.2
275	76	140	146	60	7	1925	50	42	28	3.7
300	85	120	126	50	9	2700	60	50	30	2.5
350	85	140	146	60	7	2450	60	48	30	3.1

■ DIMENSIONS / 产品尺寸

SIZE R.V. CAP(μF)	1100 V D C									
	(mm)	H (mm)	H1 (mm)	ESL nH	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +40°C (A)	I _{rms} @100KHz +55°C (A)	I _{rms} @100KHz +75°C (A)	ESR @100KHz +25°C mΩ
50	76	55	61	36	31	1550	52	43	30	1.3
70	85	55	61	36	31	2170	62	50	30	1.1
75	76	70	76	40	21	1575	58	43	30	1.7
100	85	70	76	40	21	2100	60	50	32	1.4
150	76	120	126	50	11	1650	45	38	25	3.8
190	76	140	146	60	9	1710	47	38	25	4.3
200	85	120	126	50	11	2200	55	45	30	3.0
250	85	140	146	60	9	2250	55	45	30	3.5

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

DPM

■ DIMENSIONS / 产品尺寸

SIZE R.V. CAP(μF)	900 V D C									
	(mm)	H (mm)	H1 (mm)	ESL nH	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +40°C (A)	I _{rms} @100KHz +55°C (A)	I _{rms} @100KHz +75°C (A)	ESR @100KHz +25°C mΩ
200	76	95	101	36	10	2000	45	36	25	2.4
270	76	95	101	36	10	2700	50	40	30	1.8
370	85	95	101	40	10	3700	60	50	35	1.5
510	85	120	126	40	7	3570	60	50	35	1.9
600	85	140	146	40	7	4200	58	47	33	2.2

■ DIMENSIONS / 产品尺寸

SIZE R.V. CAP(μF)	1100 V D C									
	(mm)	H (mm)	H1 (mm)	ESL nH	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +40°C (A)	I _{rms} @100KHz +55°C (A)	I _{rms} @100KHz +75°C (A)	ESR @100KHz +25°C mΩ
130	76	95	101	36	12	1560	40	33	23	2.8
175	76	95	101	36	12	2100	46	38	27	2.2
240	85	95	101	40	12	2880	56	46	32	1.7
280	76	140	146	40	7	1960	43	35	25	3.5
330	85	140	146	40	7	2310	50	40	28	3
500	85	174	180	80	12	6000	90	72	50	1.3

■ DIMENSIONS / 产品尺寸

SIZE R.V. CAP(μF)	1300 V D C									
	(mm)	H (mm)	H1 (mm)	ESL nH	dv/dt (v/us)	I peak (A)	I _{rms} @100KHz +40°C (A)	I _{rms} @100KHz +55°C (A)	I _{rms} @100KHz +75°C (A)	ESR @100KHz +25°C mΩ
90	76	95	101	36	15	1350	37	30	22	3.5
120	76	95	101	36	15	1800	43	35	24	2.7
165	85	95	101	40	15	2475	52	42	30	2.1
195	76	140	146	50	9	1755	40	33	23	4.2
250	85	140	146	50	9	2250	47	39	27	3.5
320	85	174	180	80	15	4800	82	67	47	1.6
550	85	264	270	100	9	4950	82	67	47	2.3

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

DPM

■ Terminal Style:

