

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

#### ③ Capacitance Tolerance

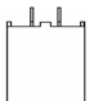
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

#### ④ Rated Voltage

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

VOLTAGE	400V	500V	600V	630V	700V	800V	850V	900V	1000V	1100V	1200V	1500V
CODE	2G	2H	2R	2J	2S	2K	2T	2U	3A	3L	3M	3N

#### ⑤ Terminal Configuration

CODE	S
LEAD TYPE	

#### ⑥ Terminal Pitch

Lead Pitch	12.7
CODE	12

#### ⑦ Terminal

LENGTH	5.1
CODE	A

#### ⑧ Terminal Length

Lead Pitch	7.6	3.8
CODE	8	4

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High capacity DC Filter 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.

### 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 $\mu$ F - 35 $\mu$ F

Capacitance Tolerance:  $\pm$ 10%(K) at 1KHz, 25 $^{\circ}$ C

Dielectric Withstand: 1.25 x rated voltage for 60 seconds (terminal to terminal)

Insulation Resistance: 10,000 M $\Omega$  min. after 2 minutes of electrification @ 100 Vdc & 25  $^{\circ}$ C

Terminals to Case: 3.0 KV 50/60 Hz for 60 sec. @ 25  $^{\circ}$ C

Accelerated Life: 1.25 x rated DC voltage at 85  $^{\circ}$ C for 2,000 hours

Lead Terminations: Tinned copper leads (RoHS compliant)

### DIMENSIONS / 产品尺寸

SIZE R.V. CAP( $\mu$ F)	WVDC	OD (mm)	W (mm)	dv/dt (v/ us)	I peak (A)	I <sub>rms</sub> @10-100KHz +25 $^{\circ}$ C (A)	I <sub>rms</sub> @10-100KHz +50 $^{\circ}$ C (A)	I <sub>rms</sub> @10-100KHz +75 $^{\circ}$ C (A)	ESR @100KHz +25 $^{\circ}$ C m $\Omega$
4.7	1500	36.0	54.0	73.0	343.1	15.0	11.5	7.8	15.0
7.5	1200	36.0	54.0	61.0	457.5	16.0	12.0	8.4	13.5
10	1000	36.0	54.0	51.0	510	17.5	13.5	9.0	12.0
13.5	900	36.0	54.0	42.0	567	18.0	14.5	9.6	10.5
15	800	36.0	54.0	41.0	615	18.5	15.0	9.8	10.0
20	750	36.0	54.0	38.0	760	19.0	16.0	10.0	10.0
30	400	36.0	54.0	30.0	900	24.0	19.0	14.5	6.0
30	600	36.0	54.0	30.0	900	20.5	17.0	12.0	9.0
35	500	36.0	54.0	30.0	945	22.0	18.0	13.0	8.0

