

# Metallized Polyester Film Capacitor

## DMPE

聚酯膜电容器

DMPE series is constructed with metallized Polyester film as dielectric and electrode, and sealed with epoxy coating. They are suitable for LED lighting, electronic ballasts and intermediate circuits for SMPS.



### APPLICATION

LED lighting.

Electronic ballasts and compact lamps.

Intermediate circuits for SMPS.

### FEATURES

High insulation resistance.

Self-healing properties.

High stability of capacitance and low losses.

### SPECIFICATIONS

Reference Standard:	IEC60384-2
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc
Capacitance Range:	0.1uF ~2.2uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.01 (1.0%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>15,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C
	>5,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

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### PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions			Lead Spacing	Peak	dv/dt	Lead	Part Number
	Value	W	H	T	P	Current		wire	
	uF	mm	mm	mm	mm	A		mm	
450	0.1	13	11	5	10	15.0	150	0.6	DMPE104K2WL10LL
450	0.12	13	11	5	10	18.0	150	0.6	DMPE124K2WL10LL
450	0.15	13	11	5	10	22.5	150	0.6	DMPE154K2WL10LL
450	0.18	13	11	5	10	27.0	150	0.6	DMPE184K2WL10LL
450	0.22	13	11	5	10	33.0	150	0.6	DMPE224K2WL10LL
450	0.27	13	12	6	10	40.5	150	0.6	DMPE274K2WL10LL
450	0.33	13	12.5	6.5	10	49.5	150	0.6	DMPE334K2WL10LL
450	0.39	13	13	7	10	58.5	150	0.6	DMPE394K2WL10LL
450	0.47	13	14.5	7	10	70.5	150	0.6	DMPE474K2WL10LL
450	0.56	13	14	8	10	84.0	150	0.6	DMPE564K2WL10LL
450	0.68	13	16	8	10	102.0	150	0.6	DMPE684K2WL10LL
450	0.82	13	16.5	9	10	123.0	150	0.6	DMPE824K2WL10LL
450	1	13	19	10	10	150.0	150	0.6	DMPE105K2WL10LL
450	0.1	18	11	5	15	10.0	100	0.6	DMPE104K2WL15LL
450	0.12	18	11	5	15	12.0	100	0.6	DMPE124K2WL15LL
450	0.15	18	11	5	15	15.0	100	0.6	DMPE154K2WL15LL
450	0.18	18	12	6	15	18.0	100	0.6	DMPE184K2WL15LL
450	0.22	18	12	6	15	22.0	100	0.6	DMPE224K2WL15LL
450	0.33	18	12.5	6.5	15	33.0	100	0.6	DMPE334K2WL15LL
450	0.39	18	13	7	15	39.0	100	0.6	DMPE394K2WL15LL
450	0.47	18	13	7	15	47.0	100	0.6	DMPE474K2WL15LL
450	0.56	18	13.5	7.5	15	56.0	100	0.8	DMPE564K2WL15LL
450	0.68	18	14	8	15	68.0	100	0.8	DMPE684K2WL15LL
450	0.82	18	14.5	8.5	15	82.0	100	0.8	DMPE824K2WL15LL
450	1	18	17	8	15	100.0	100	0.8	DMPE105K2WL15LL
450	1.2	18	18	10	15	120.0	100	0.8	DMPE125K2WL15LL
450	1.5	25.5	16.5	8	22.5	90.0	60	0.8	DMPE155K2WL22LL
450	2.2	25.5	19	9	22.5	132.0	60	0.8	DMPE225K2WL22LL

\* 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.