

CDI Capacitors

Series Code
08 (MPET) 09 (MPP)

Main Application

Capacitor discharge ignition used in two-wheeler ignition systems.

Construction

Low inductive cell of metallised polyester or polypropylene film coated with flame retardant grade epoxy resin.

Climatic Category

40/85/56

Applicable Specification

IEC 384-16 for MPP and IEC 384-2 for MPET.

Capacitance Value

0.68 μ F-3.30 μ F

Rated Voltage

400VDC

Capacitance Tolerance

$\pm 10\%$

Tan δ

3.0 % (maximum) at 100 kHz (MPET)

1.5 % (maximum) at 100 kHz (MPP)

Voltage Proof

Between terminals: 1.6 times of rated voltage for 2 sec.

Insulation Resistance (MPET)

Minimum Insulation Resistance

(or) time constant $T = C_R \times R_{IS} > 10000$ sec for MPET and 30000 sec for MPP at 100 V DC at 20° C, relative humidity $\leq 70\%$.

Life Test Conditions

Loaded at 1.25 times of rated voltage at 85° C or 1.25 times of category voltage at 100° C for 1000 hours.

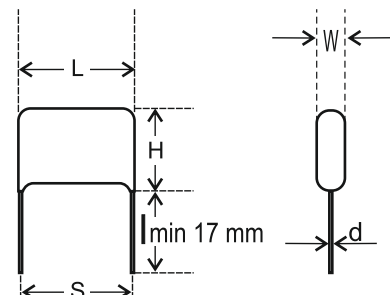
Category voltage is 80% of rated voltage.

After the test:

$\Delta C/C \leq 5\%$ of initial value.

Increase of Tan δ : ≤ 0.005 , $C_R > 1\mu F$

Insulation resistance: $\geq 50\%$ of the value mentioned in IR chart.



Rated Voltage	Rated Cap. (μF)	Dimensions (mm)					Wt. g	Ordering code	Packing units Bulk
		W ± 0.5	H ± 0.5	L ± 0.5	d ± 0.05	S ± 1.0			
400 VDC	1.00	8.0	18	32	0.8	27.5	4.0	08 105 +2G*^A	500
MPET Series	1.40	8.0	18	32	0.8	27.5	5.5	08 145 +2G*^A	250
	1.50	10.0	18	32	0.8	27.5	6.10	08 155 +2G*^A	250
	2.20	11.5	18	32	0.8	27.5	10.2	08 225 +2G*^A	250
	3.30	13.0	24	32	0.8	27.5	12.5	08 335 +2G*^A	250
400 VDC									
MPP Series	0.68	12	20	32	0.8	27.5	4.5	09 684 +2G*^A	250
	1.00	8	19	31	0.8	27.5	6.0	09 105 +2G*^A	250
	1.40	14	25	32	0.8	27.5	10.0	09 145 +2G*^A	250
	1.50	10	20	31	0.8	27.5	12.5	09 155 +2G*^A	250
	2.20	16	28	32	0.8	27.5	14.0	09 225 +2G*^A	250
	3.30	17	27.5	32	0.8	27.5	-	09 335 +2G*^A	250

Note: For more details please contact info@dekielelectronics.com