

CDI CAPACITORS

MAIN APPLICATION: Capacitor discharge ignition used in twowheeler ignition systems

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

CLIMATIC CATEGORY: 40/85/56

APPLICABLE SPECIFICATION: IEC 384-2 (MPET), IEC 384-16 (MPP)

CAPACITANCE VALUE: Refer dimension chart

RATED VOLTAGE (DC): 400V

CAPACITANCE TOLERANCE: $\pm 10\%$

VOLTAGE PROOF

Between terminals: 1.6 times of rated voltage for 2 seconds

INSULATION RESISTANCE

Minimum Insulation Resistance RIS >10000s at 100 VDC (or) time constant $T=CR \times RIS$ at 25° C, relative humidity $\leq 70\%$

TAN δ

3.0 % (maximum) at 100 kHz (MPET)

0.5 % (maximum) at 100 kHz (MPP)

LIFE TEST CONDITIONS - MPET (Loading at elevated temperature)

Loaded at 1.25 times of rated voltage at 85° C or 1.25 times of the 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

Change in Tan δ : ≤ 0.002 , CR > 1 μ f

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

LIFE TEST CONDITIONS - MPP (Loading at elevated temperature)

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

Change in Tan δ : ≤ 0.002

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

APPROVALS: Tested as per IEC 384-16 for MPP and IEC 384-2 for MPET

Ordering codes and packaging units

Rated Voltage	Rated Cap. (μ F)	Dimensions(mm)				S ± 0.5	Wt. g	Ordering code	Packing units Bulk
		W ± 0.5	H ± 0.5	L ± 0.5	d ± 0.05				
400 V DC	1.00	8	18	32	0.8	27.5	4.0	08 105 +2G*^A	500
MPET Series	1.40	9	18	32	0.8	27.5	5.5	08 145 +2G*^A	250
	1.50	10	18	32	0.8	27.5	6.1	08 155 +2G*^A	250
	2.20	11	22	32	0.8	27.5	10.2	08 225 +2G*^A	250
	3.30	13	24	32	0.8	27.5	12.5	08 335 +2G*^A	250
400 V DC	0.68	12	20	32	0.8	27.5	4.5	09 684 +2G*^A	250
MPP Series	1.00	13	24	32	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	14	25	32	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

