



CDI CAPACITORS

MAIN APPLICATION: Capacitor discharge ignition used in two-wheeler 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: ±10%

VOLTAGE PROOF

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

INSULATION RESISTANCE

Minimum Insulation Resistance $R_{IS} > 10000s$ at 100 VDC (or) time constant $T = C_R \times R_{IS}$ at 25° C, relative humidity ≤ 70%

TAN δ

3.0 % (maximum) at 100 kHz (MPET).

0.5 % (maximum) at 100kHz (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 2000 hours. Category voltage is 80% of rated voltage.

AFTER THE TEST

$\Delta c/c$: ≤ 5% of initial value.

Change in Tan δ: ≤ 0.002, $C_R > 1 \mu f$.

Insulation resistance: ≥ 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 2000 hours. Category voltage is 80% of rated voltage.

AFTER THE TEST

$\Delta c/c$: ≤ 3% of initial value.

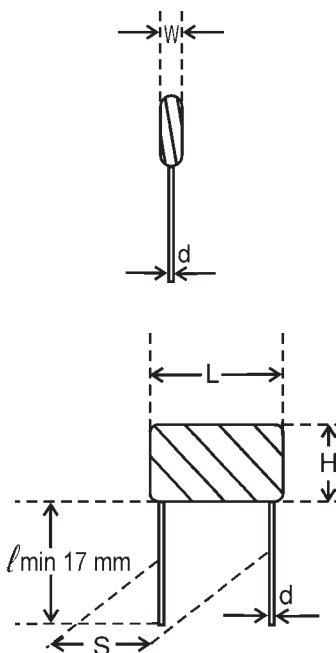
Change in Tan δ: ≤ 0.004.

Insulation resistance: ≥ 50% of the value mentioned in IR chart.

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

Ordering Code and Packing Units: CDI Capacitors

Rated Voltage	Rated Cap. (µf)	Maximum Dimensions (mm)					Wt g	Ordering code	Packing units Bulk
		W	H	L	d	F			
400V DC MPET Series	1.0	8	18	32	0.8	27.5	4.0	08 105 +2G ^{^^}	500
	1.4	9	18	32	0.8	27.5	5.5	08 145 +2G ^{^^}	250
	1.5	10	18	32	0.8	27.5	6.1	08 155 +2G ^{^^}	250
	2.2	11	22	32	0.8	27.5	10.2	08 225 +2G ^{^^}	250
	3.3	13	24	32	0.8	27.5	12.5	08 335 +2G ^{^^}	250
400V DC MPP Series	0.68	12	20	32	0.8	27.5	4.5	09 684 +2G ^{^^}	250
	1.0	13	24	32	0.8	27.5	6.0	09 105 +2G ^{^^}	250
	1.4	14	25	32	0.8	27.5	10.0	09 145 +2G ^{^^}	250
	1.5	14	25	32	0.8	27.5	12.5	09 155 +2G ^{^^}	250
	2.2	16	28	32	0.8	27.5	14.0	09 225 +2G ^{^^}	250



NOTE

- Replace the + by the code letter for the required tolerance.
F:±1%, G:±2%, H:±2.5%, J:±5%, K:±10%, M:±20%
- Replace * by the code letter for packing type.
1 : Bulk Packing
2 : Bulk Packing (After forming & cutting)
3 : Ammo Packing (F&T)
4 : Bulk Packing (forming in original pitch)
5 : Bulk Packing (formed & without cut)
6 : Ammo Packing (Straight Lead)
7 : Bulk Packing (Straight Lead cut)
- Replace ^ by the code letter indicated drawing reference.
A : As per the catalogue
B-Z : customer drawing reference
- These are the most popular values. Other values in the range are available on request. For dimensions, please refer to the closest higher value.