

APPLICATION : These Capacitors are suitable for Capacitor Discharge Ignition circuits used in two / three wheelers Ignition systems.

REFERENCE STANDARD : IEC60384-16 & IEC 60068-2

SPECIFICATIONS:

Dielectric : Polypropylene
Electrodes : Vacuum deposited Zinc Aluminium (Edge Reinforced)
Rated (DC) Voltage : 400 VDC
Encapsulation : Flame Retardant Epoxy Resin Coated (UL-Class 94 V-0). Orange colour
Capacitance Range : 0.5 to 3.3 μ F
Capacitance Tolerance : \pm 5% (J), \pm 10% (K)
Terminals : Tin Plated Copper Clad Wire
Rated Temperature : 85° C
Max. Application Temp. : 105° C
Climatic Category : 40/105/21
I.R at 100 V : \geq 30000 sec
Withstanding DC Voltage : 1.5KV, 1 Min.
between leads & body
Withstanding DC Voltage : 640 V / 1 Min.
cut off current 10 mA
Storage Temp. : -25 to 40° C with RH Maximum 75% without condensation
Mounting : Designed for mounting on PCB
Pulse Loadability : 100 V / μ S
(Pulse Rise Time) dv /dt

Dissipation Factor (Tan Delta) :

Capacitance Value	At 1KHz	At 10 KHz	At 100 KHz
$C \leq 1.0\mu\text{F}$	10×10^{-4}	50×10^{-4}	300×10^{-4}
$1.0 < C \leq 3.3\mu\text{F}$	10×10^{-4}	50×10^{-4}	350×10^{-4}

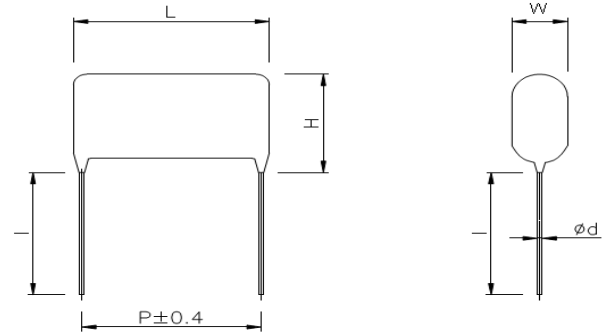
**El-Ci-Ar[®] METALLISED POLYPROPYLENE CAPACITORS
(CDI)
MPP-CDI SERIES**



**Capacitor Dimensions in mm (max.):
Rated Voltage 400 V DC**

Capacitance (μF)	L	W	H
1.0	29	6.5	16.0
1.5	29	7.5	16.5
2.2	29	9.5	19.5

Pitch (P)	Lead dia.(d)	Lead Length(l)
27.5	0.8 ± 0.02	25 ± 2



TYPE TESTS :

The capacitors are tested for 1 hour at 300Hz, 60 to 70Amps, 350 Volts. Change in capacitance observed is less than 2% and change in dissipation factor is less than 0.01%

MARKING DETAILS :

Marking on Flat Side

El-Ci-Ar – Company Name

MPP-CDI - Metallised Polypropylene Capacitor Discharge Ignition

JJ1 - Month & year Code (e.g. Oct./ 2020)

2.2 – Capacitance Value in mfd

K - % Tolerance (±10%)

400 - Rated Voltage (DC)

