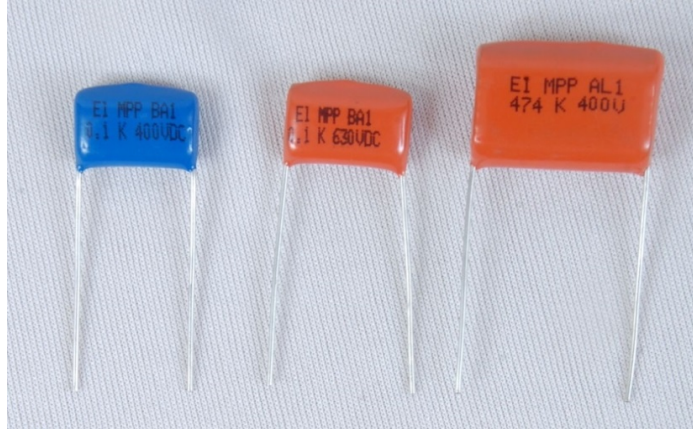


Construction:

MPP Capacitors are wound with Metallized polypropylene film as dielectric and copper clad steel wire and epoxy coating.

Features:

- Self healing properties
- Non - inductive construction
- Low Dissipation and High Moisture resistance



Application:

- Suitable for blocking, bypass, coupling, de-coupling, filtering and other general-purpose applications
- Widely used in high pulse, AC / DC circuits

Specification:

Reference Standard	IEC 60384-16
Operating Temperature	-40°C to + 105°C
Capacitance Range	0.01uF to 3.3uF
Capacitance Tolerance	±5% (J), ±10% (K), ±20% (M)
DC Rated Voltage Vr	100V, 250V, 400V, 630V
Dissipation Factor	0.05% max at 1Khz, 20°C
Dielectric Strength	1.60 x Vr for 2 sec
Insulation Resistance at 100V and 25°C	100,000 MΩ for C ≤ 0.33uF 10,000 sec for C ≥ 0.33 uF
Marking	El-Ci-Ar Logo, MPP, Capacitance, Tolerance, Rated Voltage, Batch No

Test Method & Performance

Endurance

Test Conditions

Temperature : + 100°C

Test Duration: 2000 hours

Voltage Applied: 1.25 x Vr

Performance

Capacitance Change: ±3%

Δ DF: 0.02% max

IR: ≥ 50% of Initial Limit

Resistance to Soldering heat

Test Conditions

Solder Bath Temperature: + 260°C

Dipping Time: 10 sec max

Performance

Capacitance Change: ±2%

Δ DF: 0.01% max

IR: ≥ Initial Limit

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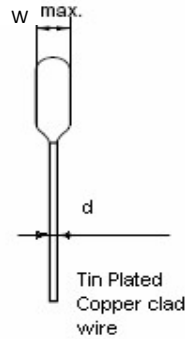
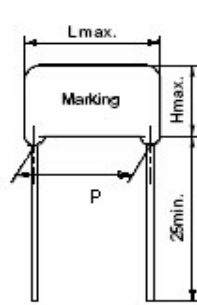
Works - Plot No 2G, Block No 89, Tarihal Industrial Area, Hubli 580026

Office - 1st Floor Mistry Mansion, 107 M.G. Road, Fort, Mumbai 400001

Tel: (022) 66307244 /45, 40029962/63

Fax : (022) 40025469

www.elciar.in sales@elciar.in



Pitch (mm)	dØ (mm)
10	0.6
15	0.8
22.5	0.8
27.5	0.8

Part No. Information

M P P

1 0 4

2 5 0

K

Q

Product Code
MPP

Capacitance
102 = 0.001µF
103 = 0.01µF
104 = 0.1µF
105 = 1.0µF

Rated Voltage
100VDC
250VDC
400VDC
630VDC

Tolerance
J = ±5%
K = ±10%
M = ±20%

Pitch
P = 10
Q = 15
R = 22.5
S = 27.5

Value (µF)	Code	Voltage	Width	Height	Length	Pitch
0.1	104	100 VDC / 63 VAC	6	12	12	10
0.15	154		7.5	12	13	10
0.22	224		7	12	17	15
0.33	334		8	14	17	15
0.47	474		10	16	17	15
0.047	473	250 VDC / 110 VAC	5	10	12	10
0.068	683		5	11	12	10
0.1	104		6	12	12	10
0.15	154		6	12	17	15
0.22	224		7	12	17	15
0.33	334		8	14	17	15
0.47	474		10	16	17	15
0.68	684		11	21.5	25	22.5
1	105		12	20	25	22.5
1.5	155		13.5	22	25	22.5
2.2	225	12	21	29	27.5	
3.3	335	14	23	29	27.5	

All dimensions are in mm

MPP Bulletin 1 / rev.2

Other values and sizes are available on request

Design and specifications are subject to change without notice

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**El-Ci-Ar[®]
Capacitors**

Metallized Polypropylene Capacitor - MPP

Value (uF)	Code	Voltage	Width	Height	Length	Pitch	
0.01	103	400 VDC / 275 VAC	5	10	11	10	
0.022	223		5.5	10	11.5	10	
0.033	333		7	11	11.5	10	
0.047	473		7.5	10.5	11.5	10	
0.068	683		5	9	11.5	10	
0.1	104		5.5	9.5	11.5	10	
0.1	104		8	14	17	15	
0.15	154		7	13	17	15	
0.22	224		8.5	14	17	15	
0.33	334		8	17.5	17	15	
0.47	474		7.5	12.5	17	15	
0.68	684		11	21.5	25	22.5	
1	105		12	22	29	27.5	
0.01	103		630 VDC / 440 VAC	6	11	11.5	10
0.022	223			6.5	11.5	11.5	10
0.033	333	7		10	12	10	
0.047	473	7.5		11.5	11.5	10	
0.047	473	5		9	17	15	
0.068	683	5		9.5	17	15	
0.1	104	5.5		9.5	11.5	10	
0.1	104	8		14	17	15	
0.15	154	6		13	12	10	
0.18	184	5.5		13.5	25	22.5	
0.22	224	8.5		17	25	22.5	
0.33	334	11		17.5	17	15	
0.33	334	9.5		19	25	22.5	
0.47	474	9		18.5	25	22.5	
0.68	684	11		21.5	25	22.5	

All dimensions are in mm

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