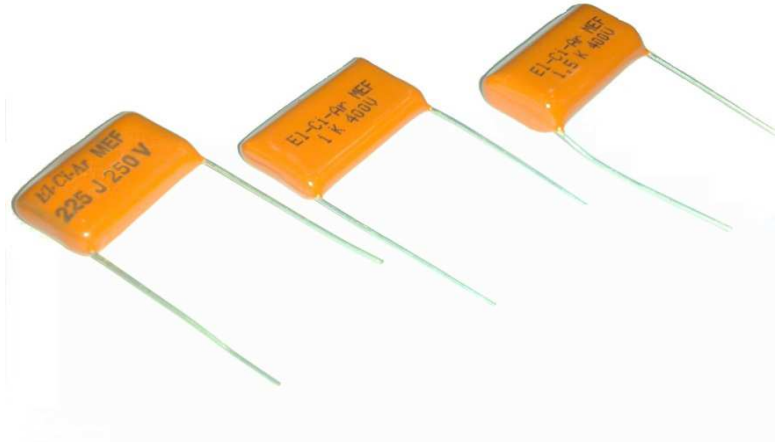


Construction:

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

Features:

- Self healing properties
- Non - inductive construction
- High Moisture resistance & good solderability
- Small Size



Application:

- Suitable for blocking, coupling, de-coupling, filtering and other general-purpose applications
- Widely used in filter and low pulse circuits

Specification:

Reference Standard	IEC 60384-2
Operating Temperature	-40°C to + 85°C
Capacitance Range	0.01uF to 10uF
Capacitance Tolerance	±5% (J), ±10% (K), ±20% (M)
DC Rated Voltage Vr	100V, 250V, 400V, 630V
Dissipation Factor	0.5% max at 1Khz, 20°C
Dielectric Strength	1.60 x Vr for 2 sec
Insulation Resistance at 100V and 25°C	30,000 MΩ for C ≤ 0.33uF 10,000 sec for C ≥ 0.33 uF
Marking	El-Ci-Ar Logo, MPT, Capacitance, Tolerance, Rated Voltage, Batch No

Test Method & Performance

Endurance

Test Conditions

Temperature : + 85°C

Test Duration: 1000 hours

Voltage Applied: 1.25 x Vr

Performance

Capacitance Change: ±3%

Δ DF: 0.3% max

IR: ≥ 50% of Initial Limit

Resistance to Soldering heat

Test Conditions

Solder Bath Temperature: + 260°C

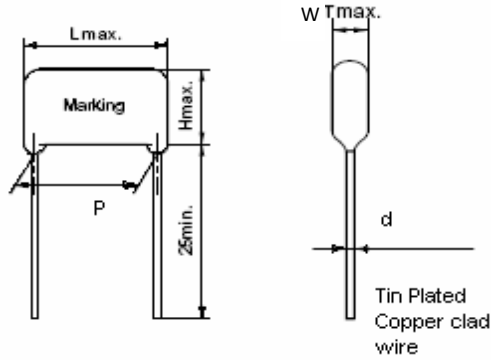
Dipping Time: 10 sec max

Performance

Capacitance Change: ±1%

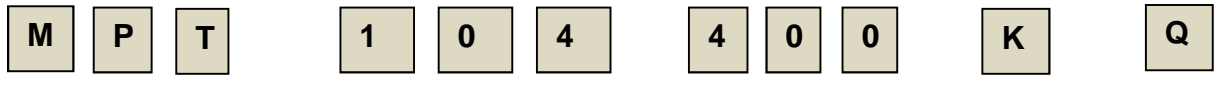
Δ DF: 0.3% max

IR: ≥ Initial Limit



Pitch (mm)	dØ (mm)
7.5	0.6
10	0.6
15	0.8
22.5	0.8
27.5	0.8

Part No. Information



Product Code

MPT

Capacitance

- 102 = 0.001 μ F
- 103 = 0.01 μ F
- 104 = 0.1 μ F
- 105 = 1.0 μ F
- 106 = 10 μ F

Rated Voltage

- 100VDC
- 250VDC
- 400VDC
- 630VDC

Tolerance

- J = \pm 5%
- K = \pm 10%
- M = \pm 20%

Pitch

- O = 7.5
- P = 10
- Q = 15
- R = 22.5
- S = 27.5

Value (μ F)	Code	Voltage	Width	Height	Length	Pitch
0.1	104	100 VDC	4.5	8	9	7.5
0.15	154		5	9	9	7.5
0.22	224		5.5	10.5	12	10
0.33	334		6	12	17	15
0.47	474		7	13	17	15
0.68	684		7	13	17	15
1	105		9	16.5	17	15
1.5	155		9.5	17	17	15
2.2	225		10	14	24	22.5
3.3	335		7.5	16	24	22.5
4.7	475		7	16	29	27.5
6.8	685		10	21	29	27.5
10	106		14	24	29	27.5
0.1	104	250 VDC	4.5	8.5	9	7.5
0.15	154		5	9	9	7.5
0.22	224		5.5	10.5	12	10
0.33	334		6	12	12	10
0.47	474		6	11	17	15
0.68	684		9	14	17	15

All dimensions are in mm

MPP Bulletin 1 / rev.0

Other values and sizes are available on request

Design and specifications are subject to change without notice

Hitech Electrocomponents Pvt Ltd

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

Fax : (022) 40025469

www.elciar.in sales@elciar.in

Value (uF)	Code	Voltage	Width	Height	Length	Pitch
1	105	250 VDC	7	16	24	22.5
1.5	155		7	16	29	27.5
2.2	225		8	17	29	27.5
3.3	335		8	18	29	27.5
4.7	475		10	21	29	27.5
0.01	103	400 VDC	4	9	11	10
0.015	153		4	9	11	10
0.022	223		4.5	9.5	11	10
0.033	333		4.5	10	11	10
0.047	473		5	10	11	10
0.068	683		5	11	11.5	10
0.1	104		6	12	12	10
0.1	104		5.5	10	17	15
0.15	154		7.5	14	17	15
0.22	224		7	12	12	10
0.22	224		6.5	11.5	17	15
0.33	334		5	12	16.5	15
0.47	474		9.5	15	17	15
0.68	684		8	16.5	24	22.5
1	105		6.5	16	29	27.5
1.5	155	8.5	16	29	27.5	
2.2	225	10.5	19	29	27.5	
0.01	103	630 VDC	4	9	12	10
0.015	153		4	9	12	10
0.022	223		5	10	12	10
0.033	333		5	11	12	10
0.047	473		6	12	17	15
0.068	683		6.5	13	17	15
0.1	104		7	12	17	15
0.15	154		8	14	17	15
0.22	224		8	14	16.5	15
0.22	224		8.5	14	25	22.5
0.33	334		8.5	16	16.5	15
0.33	334	10	21	29	27.5	
0.47	474	13	23	29	27.5	

All dimensions are in mm

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