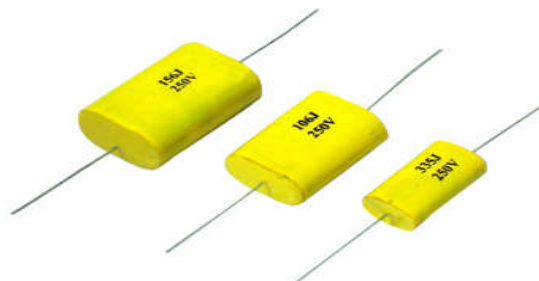


**Construction:**

MEA Series capacitors are constructed with metallized polypropylene film dielectric, tin plated copper leads and tape wrapped by PET film with epoxy sealing

**Features:**

- Self healing properties
- Non - inductive construction
- Low dissipation factor and High Insulation Resistance
- Operating Temperature -40°C to + 105°C

**Application:**

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

**Specification:**

Reference Standard	IEC 60384-16
Operating Temperature	-40°C to + 105°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	0.05% 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
Marking	El-Ci-Ar Logo, MPA, Capacitance, Tolerance, Rated Voltage, Batch No

**Test Method & Performance**Endurance*Test Conditions*

Temperature : + 105°C

Test Duration: 2000 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

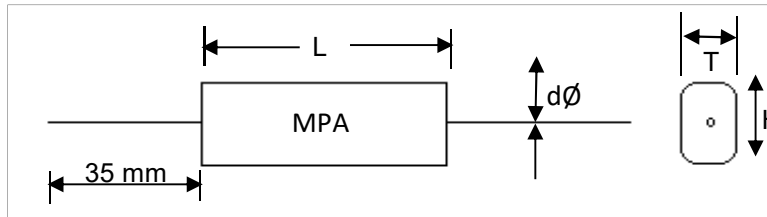
Dipping Time: 10 sec max

*Performance*

Capacitance Change: ±1%

Δ DF: 0.3% max

IR: ≥ Initial Limit



**Part No. Information**



**Product Code**

MPA

**Rated Voltage**

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

**Capacitance**

- 103 = 0.01 $\mu$ F
- 104 = 0.1 $\mu$ F
- 105 = 1.0 $\mu$ F
- 106 = 10 $\mu$ F

**Tolerance**

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

Value $\mu$ F	Value Code	100VDC / 63VAC				250VDC / 110VAC				400V / 250VAC				630V / 500VAC			
		L	H	T	dØ	L	H	T	dØ	L	H	T	dØ	L	H	T	dØ
0.010	103													16	8	4	1
0.022	223													16	8	5	1
0.033	333													16	9	6	1
0.047	473									16	8	5	1	16	10	7	1
0.068	683									16	9	5	1	20	10	5	1
0.10	104									20	11	6	1	20	10	5	1
0.15	154									20	11	6	1	20	12	8	1
0.22	224					20	8	5	1	20	11	6	1	20	9.5	13	1
0.33	334					20	10	5	1	20	14	7	1	28	18	9	1
0.47	474	20	12	7	0.8	20	11	7	1	25	14	7	1	33	17	11	1
0.68	684	20	13	7	0.8	25	12	7	1	25	17	8	1	33	18	11	1
1.0	105	28	14	8	0.8	20	11.5	7	1	32	17	8	1	33	19	11	1
1.5	155	28	16	8	0.8	33	12	5.5	1	33	14	7.8	1				
2.2	225	28	14	8	0.8	33	14	6	1	45	16	6.5	1				
3.3	335	28	18	10	0.8	33	16	9	1	45	18	8	1				
4.7	475	33	18	10	0.8	33	20	12	1	45	22	10	1				
6.8	685	33	20	12	0.8	33	24	15	1	45	23	14	1				
10.0	106	33	22	14	0.8	33	23	19	1	45	27	17	1				

All dimensions are in mm

Other values and sizes are available on request

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Design and specifications are subject to change without notice

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