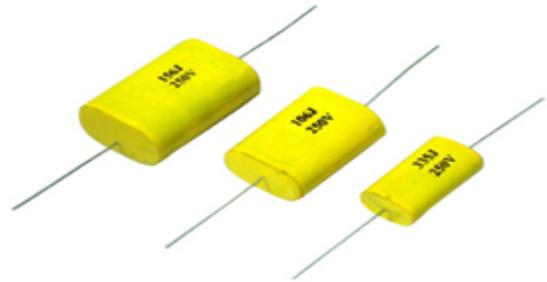


## Construction:

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

## Features:

- Self healing properties
- Non - inductive construction
- High reliability and excellent long term stability
- Small Size



## Application:

- Suitable for blocking, coupling, de-coupling, filtering and other general-purpose applications
- Widely used in interference suppression in low voltage applications voltage applications
- Fire Retardent End Encapsulation

## 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
Marking	El-Ci-Ar Logo, MEA, Capacitance, Tolerance, Rated Voltage, Batch

## Test Method & Performance

### Endurance

#### Test Conditions

Temperature : + 85°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

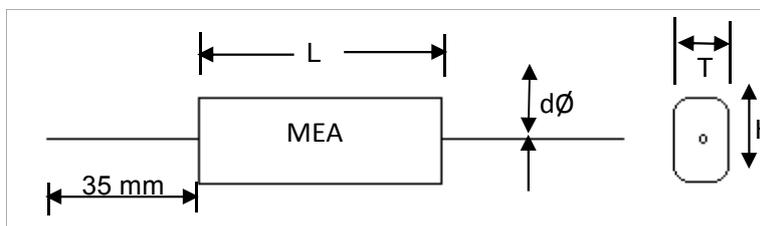
Dipping Time: 10 sec max

#### Performance

Capacitance Change: ±1%

Δ DF: 0.3% max

IR: ≥ Initial Limit



### Part No. Information

**M E A**

**4 0 0**

**1 0 4**

**K**

#### Product Code

MEA

#### 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 uF	Value Code	100V				250V				400V				630V			
		L	H	T	d $\phi$	L	H	T	d $\phi$	L	H	T	d $\phi$	L	H	T	d $\phi$
0.010	103													16	8	4	0.6
0.022	223													16	8	5	0.6
0.033	333													16	9	6	0.6
0.047	473									16	8	5	0.6	24	10	7	0.6
0.068	683									16	9	5	0.6	24	11	7	0.6
0.10	104									20	11	6	0.6	24	13	8	0.8
0.15	154									20	11	6	0.6	30	15	8	0.8
0.22	224					20	8	5	0.6	20	11	6	0.6	30	15	10	0.8
0.33	334					20	10	5	0.6	20	14	7	0.8	25	17	11	0.8
0.47	474	20	12	7	0.6	20	11	7	0.6	25	14	7	0.8	32	17	11	0.8
0.68	684	20	13	7	0.6	25	12	7	0.6	25	17	8	0.8	32	19	11	0.8
1.0	105	20	14	8	0.6	25	12	7	0.8	32	17	8	0.8	32	19	11	0.8
1.5	155	20	16	8	0.8	32	17	8	0.8	32	20	10	0.8	32	22	14	0.8
2.2	225	25	14	8	0.8	32	17	9	0.8	32	23	14	0.8				
3.3	335	25	18	10	0.8	32	20	10	0.8	32	28	16	0.8				
4.7	475	32	18	10	0.8	32	24	12	0.8								
6.8	685	32	20	12	0.8	45	21	11	0.8								
10.0	106	32	22	14	0.8	45	24	15	0.8								

All dimensions are in mm

Other values and sizes are available on request

MEA Bulletin 1 / rev.0

Design and specifications are subject to change without notice

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