



# METALLISED POLYESTER CAPACITORS (10 to 27.5 mm pitch)

## MEB / MED SERIES

**APPLICATION :** In all electronic circuits for coupling / de-coupling, filtering, by-passing, blocking, low frequency and low pulse operation.

### TECHNICAL DETAILS

**Dielectric :** Polyethylene  
Terephthalate

**Electrodes :** Vacuum deposited  
aluminium

**Ref. Standard :** JSS 50204 & IEC 384-1&2

**Encapsulation :** 1. Plastic box and epoxy (MEB)  
2. Epoxy dip coated (MED)

### Dissipation factor :

at f	C ≤ 0.1 mfd.	0.1 mfd < C ≤ 1.0 mfd.	C > 1.0 mfd.
1 kHz	≤ 0.8 %	≤ 0.8 %	≤ 1.0 %
10 kHz	≤ 1.5 %	≤ 1.5 %	-
100 kHz	≤ 3.0 %	-	-

**Flame Retardancy :** Conforming to UL 94 V-0

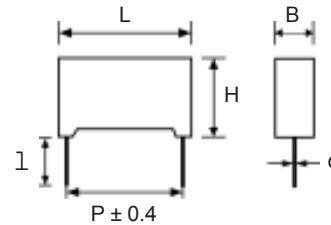
**Environmental :** 55/125/56

### Category

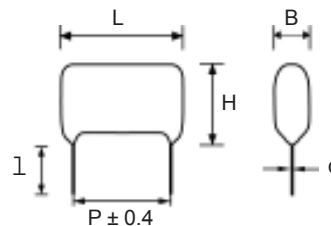
**Capacitance :** ±10 %

### Tolerance

**Test Voltage :** 1.6 x Vr (2 secs.)



$$l = 6.0 \pm 1 \text{ mm}$$



$$l = 8.0 \pm 1 \text{ mm}$$

### Insulation Resistance :

C > 0.33 mfd.		C ≤ 0.33 mfd.	
Vr > 100 V	Vr ≤ 100 V	Vr > 100 V	Vr ≤ 100 V
≥ 10000 secs.	≥ 5000 secs.	≥ 30000 MΩ	≥ 15000 MΩ

Vt = 50 V if Vr < 100 V  
= 100 V if 100 V ≤ Vr < 500 V  
= 500 V if Vr > 500 V

L	P	d
13	10	0.6
18	15	0.8
27	22.5	0.8
31	27.5	0.8

### Max. Pulse Rise Time (dv/dt) :

Vr Volts	Pitch (mm)			
	10	15	22.5	27.5
63	3	1.5	1	1
100	6	3	2	1
250	11	7	4	3
400	20	10	5.5	5
630	30	15	8	7
1000	60	25	15	10



ISO 9001

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## MEB / MED SERIES

### Dimensions (max. in mm) :

Capacitance mfd	63 VDC			100 VDC			250 VDC			400 VDC			630 VDC			1000 VDC		
	L	B	H	L	B	H	L	B	H	L	B	H	L	B	H	L	B	H
0.001																13	4.0	9
0.0015																13	4.0	9
0.0022																13	4.0	9
0.0033																13	4.0	9
0.0047													13	4.0	9	13	4.0	9
0.0068										13	4.0	9	13	4.0	9	13	5.0	11
0.01							13	4.0	9	13	4.0	9	13	4.0	9	18	5.0	11
0.015							13	4.0	9	13	4.0	9	13	4.0	9	18	5.0	11
0.022							13	4.0	9	13	4.0	9	13	5.0	11	18	6.5	12
0.033				13	4.0	9	13	4.0	9	13	5.0	11	18	5.0	11	26	6.5	13
0.047				13	4.0	9	13	4.0	9	18	5.0	11	18	6.5	12	26	6.5	13
0.068	13	4.0	9	13	4.0	9	13	4.0	9	18	5.0	11	18	7.5	14	26	6.5	13
0.1	13	4.0	9	13	4.0	9	*18	5.0	11	18	6.5	12	26	6.5	13	27	8.5	14
0.15	13	4.0	9	13	4.0	9	18	5.0	11	18	7.5	14	26	6.5	13	31	8.5	16
0.22	13	4.0	9	13	4.0	9	18	5.0	11	26	6.5	13	27	8.5	14	31	11.5	21
0.33	13	5.0	11	13	5.0	11	18	6.5	12	26	6.5	13	31	8.5	16	31	14.0	24
0.47	13	5.0	11	18	5.0	11	26	6.5	13	27	8.5	14	31	11.5	21	31	14.0	24
0.68	18	5.0	11	18	5.0	11	26	6.5	13	31	8.5	16	31	14.0	24			
1.0	18	6.5	12	18	6.5	12	26	6.5	13	31	11.5	21	31	15.5	27			
1.5	18	7.5	14	26	6.5	13	31	8.5	16	31	14.0	24						
2.2	18	8.5	15	26	6.5	13	31	8.5	16	31	15.5	27						
3.3	27	8.5	14	27	8.5	14	31	11.5	21									
4.7	31	8.5	18.5	31	8.5	16	31	14.0	24									
6.8	31	10.5	19	31	11.5	21	31	15.5	27									
10.0	31	14.0	24	31	14.0	24												

\* Also available in lower pitch



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