



# METALLISED POLYESTER CAPACITORS (5 & 7.5 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

### 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 %	-	-

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

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

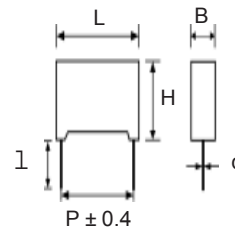
**Environmental :** 55/125/56

### Category

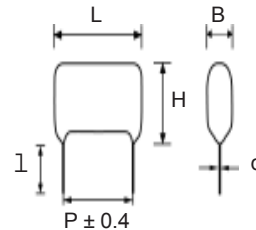
**Capacitance :** ±10 %

### 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

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

Vr Volts	Pitch (mm)	
	5	7.5
50 / 63	7.5	-
100	10	6
250	-	6
400	-	30
630	-	40
1000	-	-

L	P	d
7.2	5.0	0.5
10.5	7.5	0.6



ISO 9001

## DESAI ELECTRONICS PVT. LTD.

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## MEB / MED SERIES

Dimensions (max. in mm) :

Capacitance mfd	5 mm pitch						7.5 mm pitch											
	63 VDC			100 VDC			100 VDC			250 VDC			400 VDC			630 VDC		
	L	B	H	L	B	H	L	B	H	L	B	H	L	B	H	L	B	H
0.001	7.2	2.5	6.5	7.2	2.5	6.5										10.5	4.0	9.0
0.0015	7.2	2.5	6.5	7.2	2.5	6.5										10.5	4.0	9.0
0.0022	7.2	2.5	6.5	7.2	2.5	6.5										10.5	4.0	9.0
0.0033	7.2	2.5	6.5	7.2	2.5	6.5										10.5	4.0	9.0
0.0047	7.2	2.5	6.5	7.2	2.5	6.5							10.5	4.0	9.0	10.5	4.0	9.0
0.0068	7.2	2.5	6.5	7.2	2.5	6.5							10.5	4.0	9.0	10.5	5.0	9.5
0.01	7.2	2.5	6.5	7.2	2.5	6.5							10.5	4.0	9.0	10.5	5.0	9.5
0.015	7.2	2.5	6.5	7.2	2.5	6.5							10.5	4.0	9.0	10.5	5.0	9.5
0.022	7.2	2.5	6.5	7.2	2.5	6.5				10.5	4.0	9.0	10.5	5.0	9.0	10.5	6.0	11.0
0.033	7.2	2.5	6.5	7.2	2.5	6.5				10.5	4.0	9.0	10.5	5.0	9.5			
0.047	7.2	2.5	6.5	7.2	2.5	6.5				10.5	4.0	9.0	10.5	5.0	9.5			
0.068	7.2	2.5	6.5	7.2	2.5	6.5	10.5	4.0	9.0	10.5	5.0	9.0	10.5	6.0	11.0			
0.1	7.2	2.5	6.5	7.2	3.5	7.5	10.5	4.0	9.0	10.5	5.0	9.5						
0.15	7.2	2.5	6.5	7.2	5.0	10.0	10.5	4.0	9.0	10.5	5.0	9.5						
0.22	7.2	2.5	6.5	7.2	6.0	11.0	10.5	4.0	9.0	10.5	6.0	11.0						
0.33	7.2	3.5	7.5	7.2	6.0	11.0	10.5	5.0	9.5									
0.47	7.2	3.5	8.0	7.2	8.0	13.0	10.5	6.0	11.0									
0.68	7.2	4.5	9.5															
1.0	7.2	5.0	10.0															
1.5	7.2	6.0	11.0															
2.2	7.5	8.0	13.0															



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