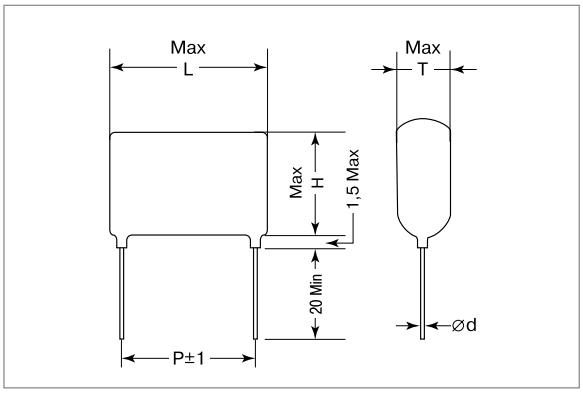
MPE (Metallized Polyester Film Capacitor)

Features

- Dielectric: Polyester film (polyethylene terephtalate)
- Plates: aluminium layer deposited by evaporation under vacuum
- Winding: non-inductive type
- Leads: tinned wire (minimum lead content 5 %)
- Protection: Coated flame retardant epoxy resin
- Marking: Manufacturer's logo, series dielectric code, capacitance, tolerance, D.C. nominal voltage
- Operating temperature: -40°C to +85°C



Electrical Characteristics

Rated voltrage (Vr)	100 Vdc, 250 Vdc, 400 Vdc, 630 Vdc
Capacitance range	0.01☐ to 5.6☐
Capacitance tolerance	(measured at 1 KHz) ±5 % (J) ±10 % (K) ±20 % (M)
Tan δ	(measured at 1 KHz) ⩽ 0.8 (at 25☐ ± 5☐)
Insulation Resistence	Test conditions Temperature: 25 ± 5 Voltage charge time: 1 minute Voltage charge: 100 Vdc ⩾ 15,000 MΩ for C ⩽ 0.33☐ ⩾ 5,000ΩF for C > 0.33☐
Test voltage between terminations	1.75 x Vr applied for 2 sec. (at 25☐ ± 5☐)

Explanation Of Part Number

MPE / Product Code, 250 / Voltage in DC, 104 / Capacitance Code, K / Tolerance ± 10 % (mm)

CAPA-CITANCE (☐)	Code	100 VDC					250 VDC					400 VDC					630 VDC				
		L	H	T	P	d (⌀)	L	H	T	P	d (⌀)	L	H	T	P	d (⌀)	L	H	T	P	d (⌀)
0.01	103						13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6
0.012	123						13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6
0.015	153						13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6
0.018	183						13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6
0.022	223						13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6	13.0	11.0	6.5	10.0	0.6
0.027	273						13.0	10.0	5.0	10.0	0.6	13.0	10.0	5.0	10.0	0.6	13.0	11.0	6.5	10.0	0.6
0.033	333						13.0	10.0	5.0	10.0	0.6	13.0	11.0	5.5	10.0	0.6	19.0	11.5	5.5	15.0	0.8
0.039	393						13.0	10.0	5.0	10.0	0.6	13.0	11.0	5.5	10.0	0.6	19.0	12.0	6.0	15.0	0.8
0.047	473						13.0	10.0	5.0	10.0	0.6	13.0	11.0	6.0	10.0	0.6	19.0	12.0	6.5	15.0	0.8
0.056	563						13.0	10.0	5.0	10.0	0.6	19.0	11.0	5.0	15.0	0.8	19.0	12.5	7.0	15.0	0.8
0.068	683						13.0	10.0	5.0	10.0	0.6	19.0	11.5	5.0	15.0	0.8	19.0	13.0	7.5	15.0	0.8

(mm)

CAPACI-TANCE (□)	Code	100 VDC					250 VDC					400 VDC					630 VDC				
		L	H	T	P	d (Ø)	L	H	T	P	d (Ø)	L	H	T	P	d (Ø)	L	H	T	P	d (Ø)
0.082	823						13.0	10.0	5.0	10.0	0.6	19.0	12.0	5.5	15.0	0.8	19.0	14.0	8.0	15.0	0.8
0.1	104	13.0	10.0	5.0	10.0	0.6	13.0	11.0	5.5	10.0	0.6	19.0	12.5	6.0	15.0	0.8	19.0	15.0	8.5	15.0	0.8
0.12	124	13.0	10.0	5.0	10.0	0.6	13.0	11.5	6.0	10.0	0.6	19.0	13.0	6.0	15.0	0.8	19.0	16.0	9.0	15.0	0.8
0.15	154	13.0	10.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	19.0	13.5	6.5	15.0	0.8	26.0	16.0	8.0	22.5	0.8
0.18	184	13.0	10.0	5.5	10.0	0.6	13.0	12.0	6.0	10.0	0.6	19.0	14.0	7.0	15.0	0.8	26.0	16.5	8.5	22.5	0.8
0.22	224	13.0	11.0	6.0	10.0	0.6	13.0	11.5	6.0	10.0	0.6	19.0	14.5	8.0	15.0	0.8	26.0	17.0	9.0	22.5	0.8
0.27	274	13.0	11.5	6.5	10.0	0.6	13.0	12.0	6.5	10.0	0.6	26.0	15.0	8.0	22.5	0.8	26.0	18.0	10.0	22.5	0.8
0.33	334	13.0	12.0	7.0	10.0	0.6	13.0	12.5	7.0	10.0	0.6	26.0	15.5	8.5	22.5	0.8	26.0	19.0	11.0	22.5	0.8
0.39	394	13.0	12.5	7.5	10.0	0.6	19.0	13.5	7.0	15.0	0.8	26.0	16.5	9.5	22.5	0.8	31.0	19.0	11.5	26.5	0.8
0.47	474	14.0	13.0	8.0	10.0	0.6	19.0	14.5	7.5	15.0	0.8	26.0	17.0	10.0	22.5	0.8	31.0	20.0	12.5	26.5	0.8
0.56	564	14.0	13.5	8.5	10.0	0.6	19.0	15.0	8.0	15.0	0.8	31.0	18.0	10.0	26.5	0.8	31.0	21.0	13.5	26.5	0.8
0.68	684	19.0	13.0	7.5	15.0	0.8	19.0	15.5	8.5	15.0	0.8	31.0	19.0	11.0	26.5	0.8	31.0	22.0	14.5	26.5	0.8
0.82	824	19.0	13.5	8.0	15.0	0.8	26.0	14.0	8.0	22.5	0.8	31.0	20.0	12.5	26.5	0.8	31.0	23.0	15.5	26.5	0.8
1.0	105	19.0	14.0	8.5	15.0	0.8	26.0	15.0	8.5	22.5	0.8	31.0	21.0	13.5	26.5	0.8	31.0	25.0	16.0	26.5	0.8
1.2	125	19.0	15.0	9.5	15.0	0.8	26.0	16.0	9.0	22.5	0.8	31.0	22.0	14.5	26.5	0.8					
1.5	155	19.0	16.0	10.0	15.0	0.8	26.0	17.0	9.5	22.5	0.8	31.0	24.0	15.0	26.5	0.8					
1.8	185	26.0	16.0	9.0	22.5	0.8	26.0	18.0	10.0	22.5	0.8	31.0	25.5	15.5	26.5	0.8					
2.2	225	26.0	17.0	10.0	22.5	0.8	26.0	19.0	11.0	22.5	0.8	31.0	27.0	16.0	26.5	0.8					
2.5	255	26.0	18.0	11.0	22.0	0.8	31.0	18.0	11.5	26.5	0.8										
2.8	285	26.0	19.0	12.0	22.5	0.8	31.0	19.0	12.0	26.5	0.8										
3.3	335	26.0	20.0	13.0	22.5	0.8	31.0	20.0	12.5	26.5	0.8										
3.5	355	26.0	21.0	14.0	22.5	0.8	31.0	21.0	13.0	26.5	0.8										
3.8	395	31.0	19.5	11.0	26.5	0.8	31.0	22.0	13.5	26.5	0.8										
4.7	475	31.0	20.5	12.0	26.5	0.8	31.0	23.0	14.0	26.5	0.8										
5.6	565	31.0	21.5	13.0	26.5	0.8															
8.2	825	31.0	22.5	14.0	26.5	0.8															
10.0	106	31.0	24.0	15.0	26.5	0.8															

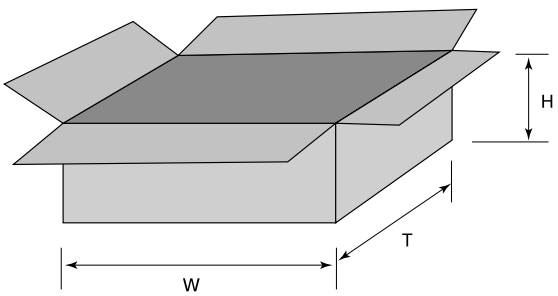
Packing Standard Spec.

(Q'ty And Weight Per Inner Carton)

CAP. (□)	250 VDC		400 VDC		630 VDC	
	Amount	KG	Amount	KG	Amount	KG
0.01	5,000	3.5	5,000	3.5	5,000	3.5
0.015	5,000	3.5	5,000	3.6	5,000	3.5
0.022	5,000	3.5	5,000	3.7	5,000	4
0.033	5,000	3.7	5,000	3.8	3,000	4.2
0.047	5,000	3.9	3,000	6.3	3,000	4.5
0.068	5,000	3.95	3,000	6.3	2,000	3.5
0.1	5,000	3.7	3,000	6.5	2,000	5
0.15	5,000	3.8	3,000	6.8	2,000	5
0.22	5,000	3.9	3,000	6.8	2,000	5.2
0.33	5,000	4.3	3,000	10.5	2,000	6
0.47	3,000	4.8	2,000	11	1,000	6
0.68	3,000	6.3	2,000	13		
1	3,000	10	2,000	20		
1.5	2,000	10				
2.2	2,000	12				
3.3	2,000	13				
4.7	1,000	11				
5.6	1,000	13				

This standard specifies film capacitors for packing standard

[BOX TYPE]



Items	Size W(mm) X T(mm) X H(mm)
INNER BOX	280 X 175 X 100
	350 X 275 X 200
OUT BOX	580 X 370 X 220