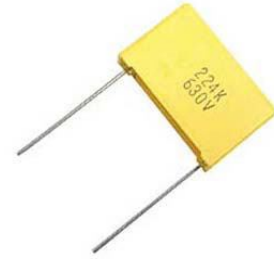


# Metallized Polyester Film Capacitor (Box Type)

## MEC(CL23) Series

### ■ Features

- High stability of capacitance and DF versus temperature and frequency
- Self-healing
- Non-inductive construction
- High pulse rise rate (du/dt) and suitable for large current circuit



### ■ Applications

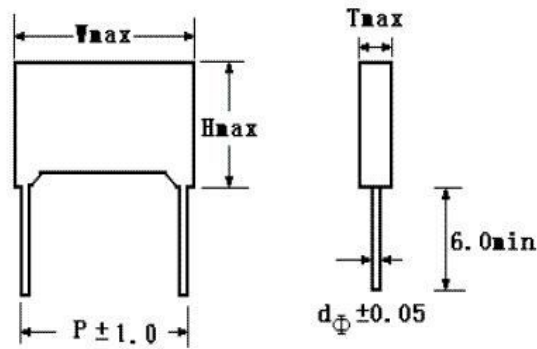
- Most suitable for high voltage and pulse in the horizontal resonance circuit of colour TV set.
- Widely used in high frequency, high voltage DC and pulse circuits
- Filter and noise suppression circuit

### ■ Specifications

<b>Dielectric</b>	Polyester film	
<b>Electrodes</b>	Vacuum evaporated metal	
<b>Coating</b>	Encapsulated in reinforced flame retardant plastic case sealed with epoxy resin meeting the requirement of UL 94V-0	
<b>Leads</b>	Radial leads of tinned wire	
<b>Reference Standard</b>	IEC 384-2 grade 1; SJ/T10873-1996	
<b>Climatic Catalogue</b>	40/85/21 (From 85°C up to 105°C with derating voltage 1.25%/°C)	
<b>Capacitance Versus Rated Voltage (U<sub>R</sub>)</b>	0.001uF-6.8uF/50V/100V; 0.001uF-2.2uF/400VDC;	0.001uF-6.8uF/250VDC; 0.001uF-1.5uF/630VDC
<b>Capacitance Tolerance:</b>	M=±20% K=±10% J=±5%	
<b>Dissipation Factor (Tangent Of Loss)</b>	C≤1.0uF DF≤0.8% ; C>1.0uF DF≤1.0% (at 20°C, 1KHZ)	
<b>Voltage Proof</b>	1.6*U <sub>R</sub> Unit:VDC (5S at 20°C)	
<b>Insulation Resistance</b>	C≤0.33uF, IR≥15000MΩ; C>0.33uF, IR*C≥3000S (1 minute at 20°C and RH≤65%)	
<b>Endurance</b>	1000 hours with 125% of rated voltage at 85°C, After the test: ΔC/C≤8%; ΔDF≤0.30%(C>1uF); ΔDF≤0.50%(C≤1uF) IR≥50% of the specified value (20°C 1KHz)	

# Metallized Polyester Film Capacitor (Box Type)

## Outline Drawing



## Dimension

Unit : mm

Capacitance ( $\mu$ F)	100VDC					250VDC					400VDC					630VDC				
	W	H	T	P	d $\phi$	W	H	T	P	d $\phi$	W	H	T	P	d $\phi$	W	H	T	P	d $\phi$
0.0010	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6
0.0015	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6
0.0022	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6
0.0033	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6
0.0047	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6
0.0068	13.0	9.0	4.0	10.0	0.6	13.5	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6
0.010	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6
0.015	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.022	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6
0.033	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	10.0	5.0	15.0	0.8
0.047	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8
0.068	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	18.0	10.0	5.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8
0.10	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8
0.15	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	26.5	16.0	7.0	22.5	0.8
0.22	13.0	9.0	4.0	10.0	0.8	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10	15.0	0.8
																26.5	18.5	10	22.5	0.8
0.33	18.0	10.0	5.0	15.0	0.8	18.0	12.0	6.0	15.0	0.8	18.0	18.0	10.0	15.0	0.8	26.5	18.5	10	22.5	0.8
											26.5	15.0	6.0	22.5	0.8	32.0	20.0	11	27.5	0.8
0.47	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	26.5	17.0	8.5	22.5	0.8	26.0	21.5	12	22.5	0.8
											32.0	20.0	11	27.5	0.8	32.0	20.0	11	27.5	0.8
0.68	18.0	12.0	6.0	15.0	0.8	26.5	15.0	6.0	22.5	0.8	26.0	21.5	12.0	22.5	0.8	32.0	22.0	13	27.5	0.8
											32.0	20.0	11.0	27.5	0.8					
1.0	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.0	21.5	12.0	22.5	0.8	32.0	22.0	13	27.5	0.8
						26.5	17.0	8.5	22.5	0.8	32.0	20.0	11.0	27.5	0.8					
1.5	18.0	16.0	10.0	15.0	0.8	26.5	18.5	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8	31.0	31.0	18	27.5	0.8
	26.5	16.0	7.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8										
2.2	18.0	18.0	10.0	15.0	0.8	32.0	20.0	11.0	27.5	0.8	31.0	31.0	18.0	27.5	0.8					
	26.5	17.0	8.5	22.5	0.8															
3.3	26.5	18.5	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8										
4.7	32.0	20.0	11.0	27.5	0.8	32.0	30.0	15.0	27.5	0.8										
6.8	32.0	22.0	13.0	27.5	0.8	31.0	31.0	18.0	27.5	0.8										

Special size or items on request