

Sub-miniature Metallized Polyester Film Capacitor -ZZEC



CL21X(MSF)

FEATURES

- Ultra-small, low noise, good appearance consistency.
- Metallized polyester film, small inherent temperature rise.
- High voltage resistance, high temperature wax sealed, flame retardant epoxy powder coating.
- Moisture-proof, flame retardant.
- Low dissipation factor.
- Good self-healing property, good stability and reliability.

APPLICATIONS

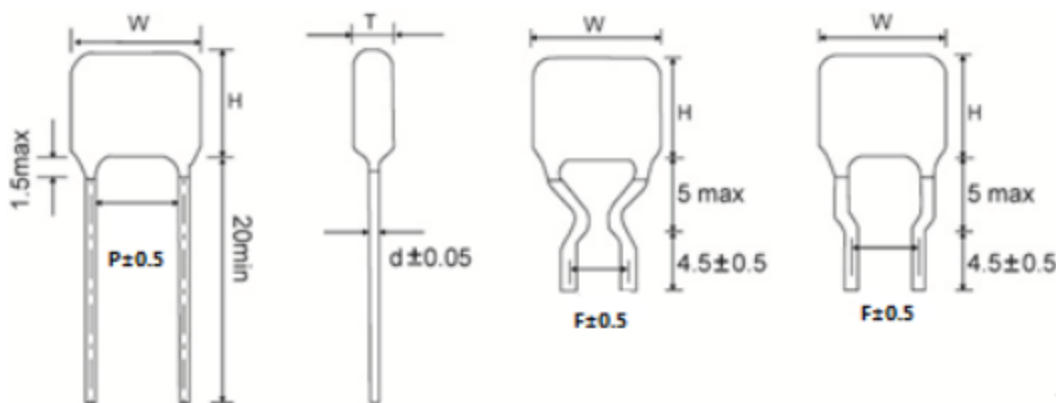
Widely used in various DC and low pulse occasions, for the amplifier, TV, communications, power supply, LED drivers and other requirements of the small size of capacitors.

SPECIFICATIONS

Climatic Category	55/085/21
Rated Voltage	63V、100V、250V、400V、630
Capacitance Range	0.0010Mf ~5.6μF
Capacitance Tolerance	±5%(J), ±10%(K),
Voltage Proof	1.6U _r
Insulation resistance	≥3000MΩ, CR≤0.33μF(20℃、1min)
	≥10 000S, CR>0.33μF (20℃, 1min)
Tangent of loss angle	≤0.008 %(20℃、1KHZ)



DRAWING: (mm)



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STANDARD SIZE

Dimensions(mm) and special specifications can product according to your demand.

CAP (μ F)	50/63/100VDC					250 VDC					400VDC					630VDC				
	W	H	T	P	D	W	H	T	P	D	W	H	T	P	D	W	H	T	P	D
	Max	max	max			max	max	max			max	max	Max			max	max	Max		
0.001	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0012	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0015	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0018	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0022	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0027	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0033	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0039	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0047	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0056	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0068	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5
0.0082	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.5	4.5	5	0.5
0.01	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	8	4.8	5	0.5
0.012	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	8.5	5	5	0.5
0.015	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	8.8	5.2	5	0.5
0.018	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	9	5.3	5	0.5
0.022	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	9.3	5.5	5	0.5
0.027	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	9.5	5.6	5	0.5
0.033	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	9.8	5.8	5	0.5
0.039	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	10.2	6	5	0.5
0.047	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	7.2	4	5	0.5	7.2	11.5	6.5	5	0.5
0.056	7.2	7.2	4	5	0.5	7.2	7.5	4.5	5	0.5	7.2	8.5	4.5	5	0.5					
0.068	7.2	7.2	4	5	0.5	7.2	7.5	4.5	5	0.5	7.2	9	5	5	0.5					
0.082	7.2	7.2	4	5	0.5	7.2	8.5	4.5	5	0.5	7.2	9	5	5	0.5					
0.1	7.2	7.2	4	5	0.5	7.2	8.5	4.5	5	0.5	7.2	10	5.5	5	0.5					
0.12	7.2	7.5	4.5	5	0.5	7.2	9	5	5	0.5	7.2	10	5.5	5	0.5					
0.15	7.2	7.5	4.5	5	0.5	7.2	9	5	5	0.5	7.2	11	6	5	0.5					
0.18	7.2	7.5	4.5	5	0.5	7.2	10	5.5	5	0.5	7.2	11.5	6.5	5	0.5					
0.22	7.2	7.5	4.5	5	0.5	7.2	10	5.5	5	0.5	7.2	12	7	5	0.5					
0.27	7.2	7.5	4.5	5	0.5	7.2	11	6	5	0.5										
0.33	7.2	8.5	4.5	5	0.5	7.2	12	7	5	0.5										

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	W	H	T	P	D	W	H	T	P	D	W	H	T	P	D	W	H	T	P	D	
	Max	max	max			max	max	max			Max	max	max			Max	max	max			
0.39	7.2	8.5	4.5	5	0.5	7.2	12	7	5	0.5											
0.47	7.2	9	5	5	0.5																
0.56	7.2	9	5	5	0.5																
0.68	7.2	10.0	5	5	0.5																
0.82	7.2	11.5	5.2	5	0.5																
1	7.2	12.0	5.6	5	0.5																
1.5	7.2	12.5	6.5	5	0.5																
2.2	7.2	12.5	7	5	0.5																
3.3	9.5	13.5	8	7.5	0.5																
4.7	12	14.5	8	10	0.6																
5.6	12	15.5	8.5	10	0.6																

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