

CL23

Metallized Polyester Film Capacitors

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Characteristics

- Metallized polyester film dielectric
- Laminated structure
- Flame retardant epoxy resin embedment
- Plastic shell encapsulation
- Perfect appearance consistency

Application

- Used in Bypass, Straight, Coupling, Pulse, Timing Circuits, etc.

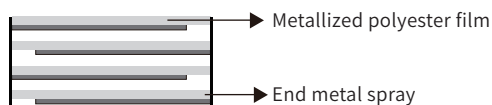
Technical Data

• Reference Standards	GB/T 7332(IEC60384-2)			
• Climate Category	40/85/21			
• Operating Temperature Range	-40°C~85°C T _{max} 105°C			
• Rated Voltage	50/63VDC、100VDC、250VDC、400VDC、630VDC			
• Capacitance Range	0.001μF~2.2μF			
• Capacity Tolerance	±5%(J); ±10%(K); ±20%(M)			
• Withstand Voltage	V _{t-t} :1.6UN 5S (at20±5°C)			
• Dissipation Factor	Test Frequency	C _N ≤0.1μF	C _N >0.1μF	
	1KHz	≤0.0100	>0.0100	
	10KHz	≤0.0150	>0.0150	
	100KHz	≤0.0300	---	
• Insulation Resistance(at 20°C 100VDC 1Min)	C _N ≤0.33μF		C _N >0.33μF	
	U _N ≤100V	U _N >100V	U _N ≤100V	U _N >100V
	≥15000MΩ	≥30000MΩ	≥1000S	≥10000S
• Maximum Pulse Rise Time(dV/dt)	U _{N(V)}	dV/dt(V/μS)		
	50/63VDC	75		
	100VDC	85		
	250VDC	150		
	400VDC	200		

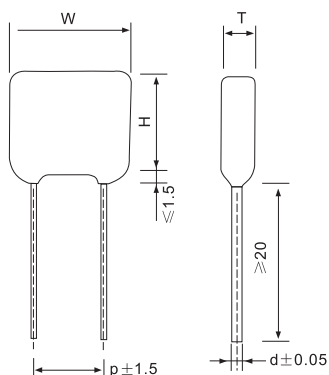
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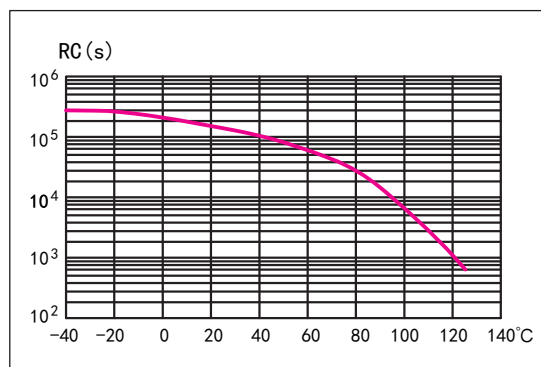
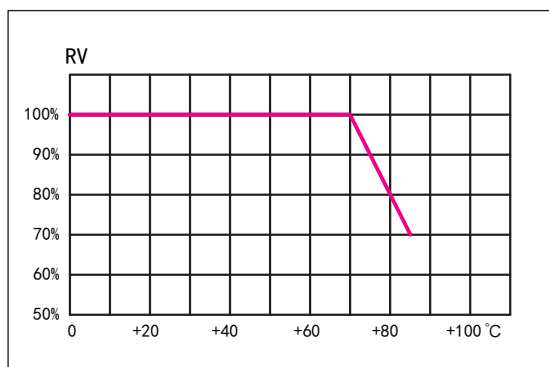
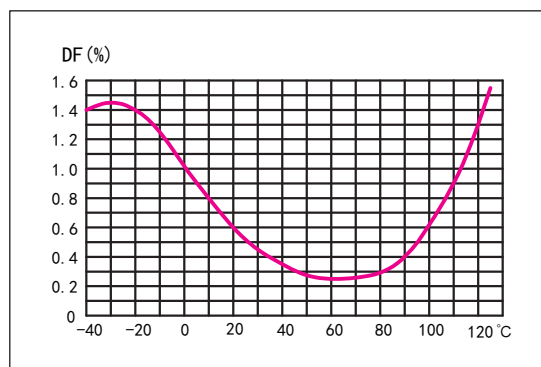
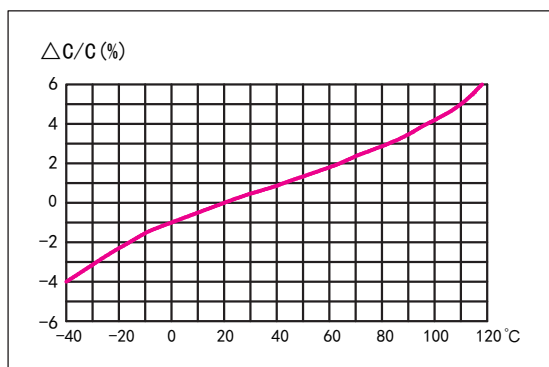
Construction Diagram



Product Shape



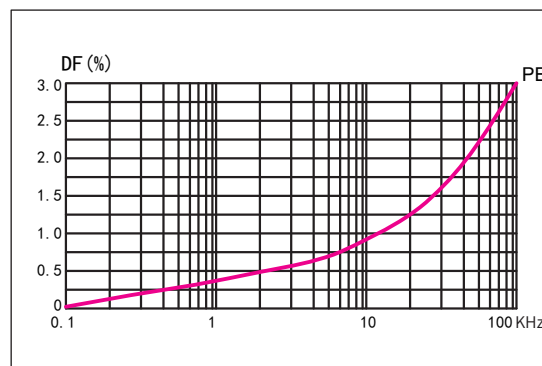
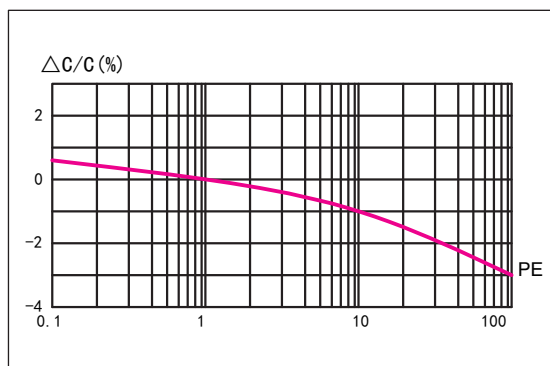
Frequency Characteristics



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Temperature Characteristics



Article Table

Cap (μF)	63VDC					100VDC					250VDC					400VDC					630VDC				
	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d
0.0010	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5
0.0015	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5
0.0022	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	7.5	2.5	5.0	0.5
0.0033	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	7.5	3.5	5.0	0.5
0.0047	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	9.5	3.5	5.0	0.5
0.0068	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	7.5	3.5	5.0	0.5	7.5	9.5	3.5	5.0	0.5
0.010	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	7.5	3.5	5.0	0.5	7.5	10.0	4.0	5.0	0.5
0.015	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	9.5	4.5	5.0	0.5	7.5	11.0	5.0	5.0	0.5
0.022	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	7.5	3.5	5.0	0.5	7.5	10.0	5.0	5.0	0.5					
0.033	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	7.5	3.5	5.0	0.5	7.5	11.0	6.0	5.0	0.5					
0.047	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	9.5	4.5	5.0	0.5	7.5	11.0	6.0	5.0	0.5					
0.068	7.5	6.5	2.5	5.0	0.5	7.5	6.5	2.5	5.0	0.5	7.5	9.5	4.5	5.0	0.5										
0.10	7.5	6.5	2.5	5.0	0.5	7.5	7.5	3.5	5.0	0.5	7.5	10.0	5.0	5.0	0.5										
0.15	7.5	7.5	3.5	5.0	0.5	7.5	9.5	4.5	5.0	0.5	7.5	11.0	6.0	5.0	0.5										
0.22	7.5	7.5	3.5	5.0	0.5	7.5	10.0	5.0	5.0	0.5															
0.33	7.5	9.5	4.5	5.0	0.5	7.5	11.0	6.0	5.0	0.5															
0.47	7.5	10.0	5.0	5.0	0.5	7.5	11.0	6.0	5.0	0.5															
0.68	7.5	11.0	6.0	5.0	0.5	7.5	11.0	6.0	5.0	0.5															
0.82	7.5	11.0	6.0	5.0	0.5																				
1.0	7.5	11.0	6.0	5.0	0.5																				

The above table / graphics are for reference only, subject to the actual product (unit: mm)