

Metallized Polyester Film Capacitors CL21



Characteristics

- Metallized polyester film dielectric
- Non-inductive winding structure
- Myra tape pack, flame retardant epoxy resin both ends
- Radial tin plated copper wire
- High pressure and high temperature resistance

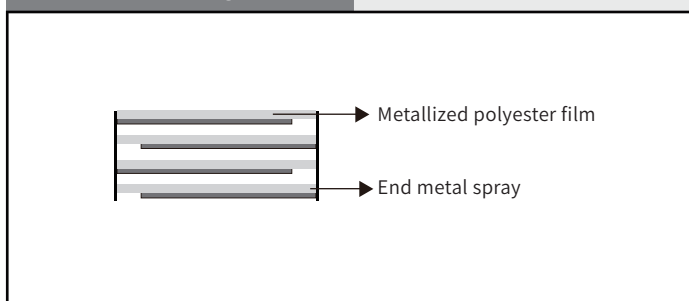
Application

- DC, VHF signal isolation, bypass and coupling circuits
- Widely used in filtering, noise reduction and low pulse circuits

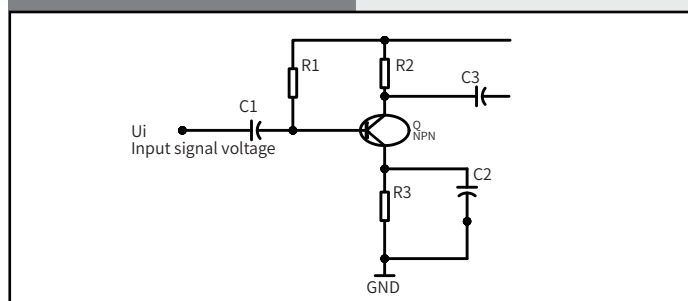
Technical Data

• Reference Standards	GB/T 7332(IEC 60384-2)					
• Climate Category	55/105/21					
• Operating Temperature Range	-55°C~+85°C Tmax +105°C					
• Rated Voltage	100VDC、250VDC、400VDC、630VDC					
• Capacitance Range	0.01μF~10 μF					
• Capacity Tolerance	±5%(J); ±10%(K); ±20%(M)					
• Withstand Voltage	V _{tr} :1.6UN 5S (at20±5°C)					
• Dissipation Factor	tgδ≤0.0100 (20°C, 1KHz)					
	tgδ≤0.0150 (20°C, 10KHz)					
• Insulation Resistance	C≤0.33μF R≥30000MΩ(at20°C 100VDC 1Min)					
	C>0.33 μF RCN≥10000S (at20°C 100VDC 1Min)					
• Maximum Pulse Rise Time(dV/dt)	U _N (V)	dV/dt				
		P=7.5	P=10	P=15	P=20	P=25
	100	25	25	20	10	5
	250	---	100	40	20	15
	400	---	150	60	30	25
630	---	200	80	35	35	

Construction Diagram



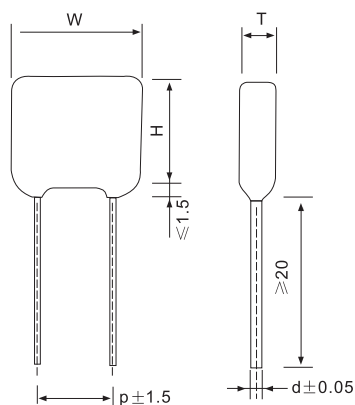
Typical Circuit



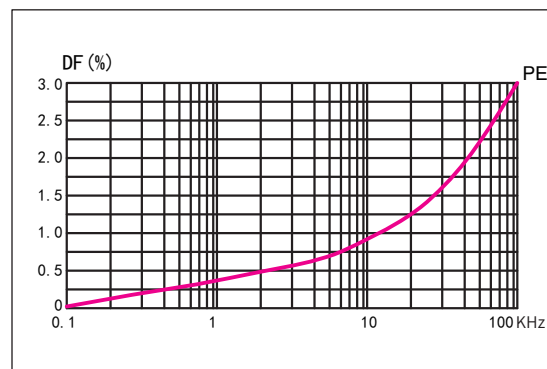
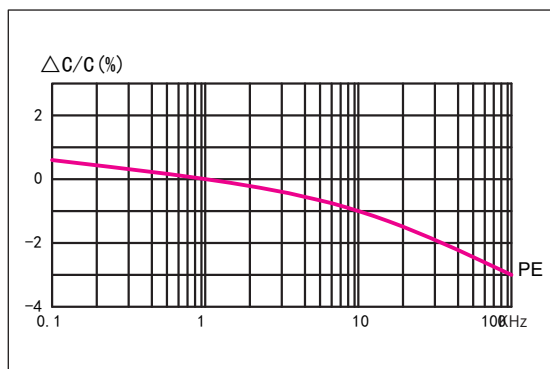
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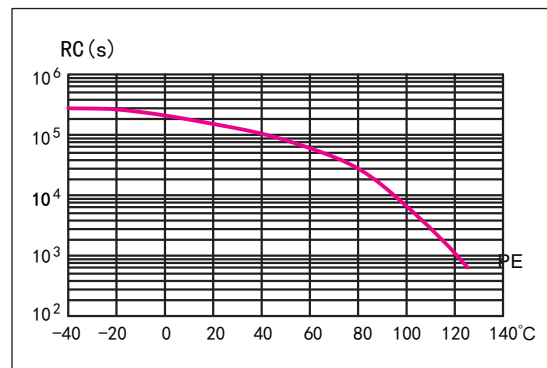
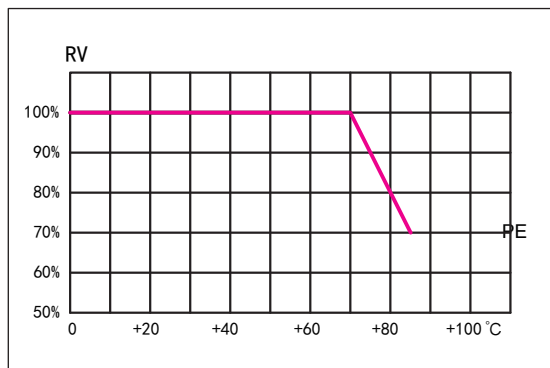
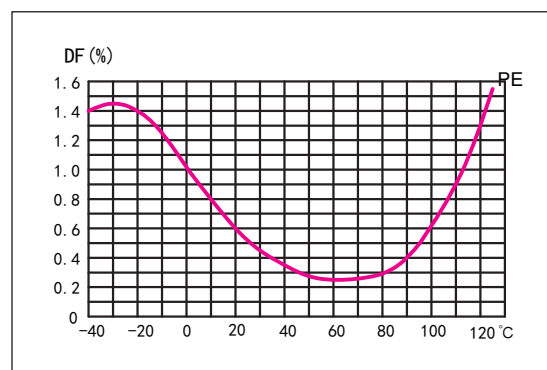
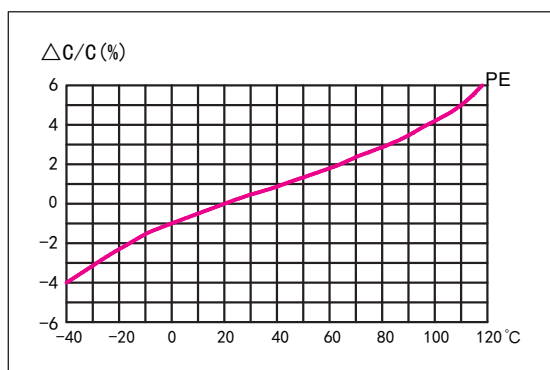
Product Shape



Temperature Characteristics



Frequency Characteristics



Article Table

R series

Capacity (μ F)	Size mark	250V					400V					630V				
		Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.0100	R											13.0	5.5	9.5	10.0	0.6
0.0150	R											13.0	6.0	10.0	10.0	0.6
0.0220	R											13.0	7.0	11.0	10.0	0.6
0.0330	R											13.0	5.5	9.5	10.0	0.6
0.0470	R											13.0	6.0	10.0	10.0	0.6
0.0680	R											13.0	7.0	11.5	10.0	0.6
0.0820	R											18.0	6.5	10.5	15.0	0.6
0.1000	R	13.0	4.5	8.0	10.0	0.6						18.0	6.5	11.0	15.0	0.6
0.1500	R	13.0	5.5	9.5	10.0	0.6	13.0	6.5	10.5	10.0	0.6	18.0	8.0	13.0	15.0	0.8
0.2200	R	13.0	6.0	10.5	10.0	0.6	13.0	8.0	12.0	10.0	0.6	18.0	8.0	13.0	15.0	0.8
0.3300	R	13.0	7.5	12.0	10.0	0.6	18.0	7.0	12.0	15.0	0.6	18.0	9.5	16.0	15.0	0.8
0.4700	R	18.0	6.5	11.5	15.0	0.6	18.0	8.5	13.5	15.0	0.8	18.0	11.5	18.0	15.0	0.8
0.6800	R	18.0	7.5	12.5	15.0	0.6	18.0	9.5	16.0	15.0	0.8	23.0	11.0	17.5	20.0	0.8
0.8200	R	18.0	8.5	13.5	15.0	0.8	23.0	8.5	15.5	20.0	0.8	23.0	12.5	19.5	20.0	0.8
1.0000	R	18.0	8.5	15.0	15.0	0.8	23.0	10.0	16.5	20.0	0.8	23.0	13.5	20.5	20.0	0.8
1.2000	R	23.0	8.5	13.5	20.0	0.8	23.0	10.5	17.0	20.0	0.8	30.0	12.5	19.0	27.0	0.8
1.5000	R	23.0	9.0	15.0	20.0	0.8	23.0	11.5	18.5	20.0	0.8	30.0	14.0	20.5	27.0	0.8
2.2000	R	23.0	11.0	17.0	20.0	0.8	30.0	12.0	18.5	27.0	0.8	30.0	17.0	23.5	27.0	0.8
3.3000	R	30.0	11.5	18.0	27.0	0.8	30.0	14.5	21.0	27.0	0.8	34.0	19.5	26.0	31.0	0.8
4.7000	R	30.0	14.0	20.5	27.0	0.8	30.0	18.5	24.5	27.0	0.8					
10.0000	R	34.5	19.0	25.0	31.0	0.8										

U series

Capacity (μ F)	Size mark	250V					400V					630V				
		Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.0680	U											13.0	5.5	9.5	10.0	0.6
0.1000	U						11.0	6.0	10.0	7.5	0.6	18.0	6.0	10.0	15.0	0.6
0.1500	U						13.0	5.5	9.5	10.0	0.6	18.0	7.0	12.0	15.0	0.6
0.2200	U	13.0	5.0	9.0	10.0	0.6	13.0	5.5	10.0	10.0	0.6	18.0	7.0	12.0	15.0	0.6
0.3300	U	13.0	6.0	10.0	10.0	0.6	18.0	6.0	10.0	15.0	0.6	18.0	8.0	14.5	15.0	0.8
0.4700	U	18.0	5.5	9.5	15.0	0.6	18.0	6.5	11.0	15.0	0.6	18.0	9.0	15.0	15.0	0.8
0.6800	U	18.0	6.0	10.5	15.0	0.6	18.0	7.5	12.5	15.0	0.8	23.0	9.5	15.5	20.0	0.8
0.8200	U	18.0	6.5	11.5	15.0	0.6	23.0	7.0	12.0	20.0	0.6	23.0	10.5	17.0	20.0	0.8
1.0000	U	18.0	7.0	12.0	15.0	0.6	18.0	8.5	15.0	15.0	0.8	23.0	11.5	18.5	20.0	0.8
1.2000	U						23.0	8.0	13.0	20.0	0.8	30.0	10.5	17.0	27.0	0.8
1.5000	U	23.0	7.0	12.0	20.0	0.6	23.0	10.0	14.5	20.0	0.8	30.0	11.5	17.5	27.0	0.8
2.2000	U	23.0	8.0	14.5	20.0	0.8	30.0	9.5	16.0	27.0	0.8	30.0	14.5	21.0	27.0	0.8
3.3000	U	23.0	10.0	16.5	20.0	0.8	30.0	11.5	17.5	27.0	0.8	34.0	16.5	23.5	31.0	0.8
4.7000	U	30.0	10.0	16.5	27.0	0.8	30.0	14.0	20.5	27.0	0.8	34.0	20.0	26.5	31.0	0.8
10.0000	U	34.5	14.5	21.0	31.0	0.8	34.5	19.5	26.0	31.0	0.8					

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

Remark:

The R: factory test voltage is 2 times the withstand voltage, and the volume is slightly larger than that of the U product.
The U: factory test voltage is 1.6 times the withstand voltage, and the volume is slightly smaller than that of the R product.
(volume of products refer to the above table).