

Axial Metallized Polyester Film Capacitors CL20



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

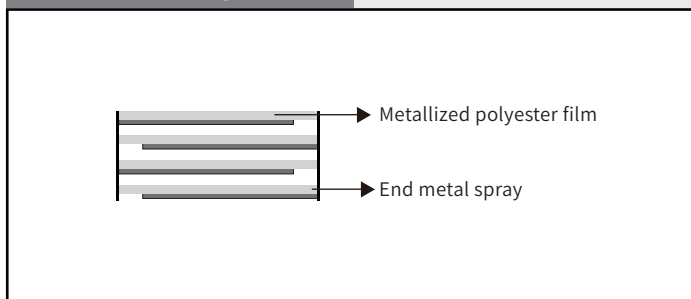
Application

- Temperature compensating circuit
- Timing oscillation circuit
- Audio frequency division circuit

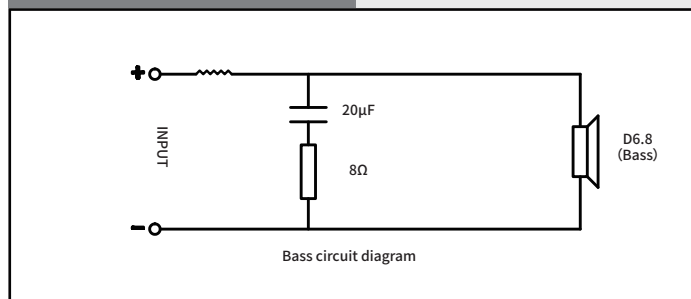
Technical Data

• Reference Standards	IGB/T 7332(IEC 60384-2)					
• Climate Category	40/85/21					
• Operating temperature range	-40°C~85°C Tmax 105°C					
• Rated voltage	100VDC、250VDC、400VDC、630VDC					
• Capacitance range	0.01μF~10 μF					
• Cap.Tor	±5%(J); ±10%(K); ±20%(M)					
• Withstand voltage	1.6U _N (5S)					
• Dissipation factor	tgδ≤0.0100 (20°C, 1KHz)					
• 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				
		L=11mm	L=14mm	L=19mm	L=27mm	L=33mm
	100/250VDC	5	6	3	2	1
	400VDC	10	14	10	7	3
	630VDC	15	20	15	10	5

Construction Diagram



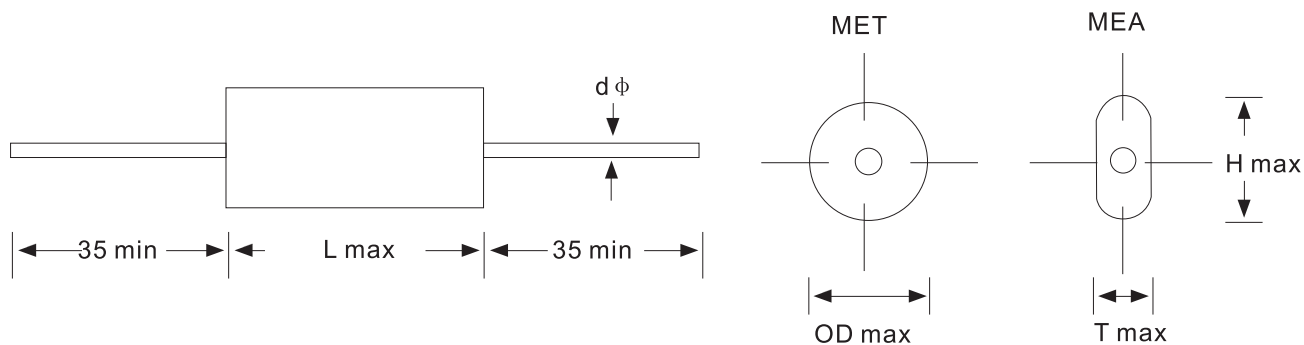
Typical Circuit



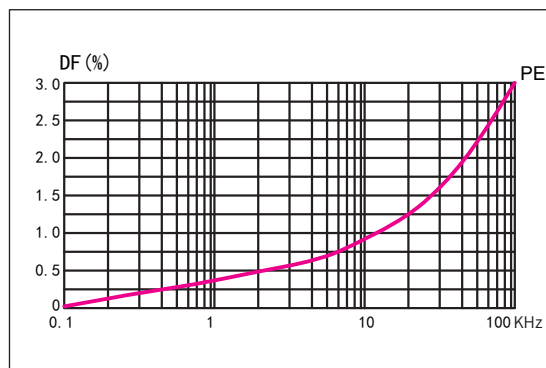
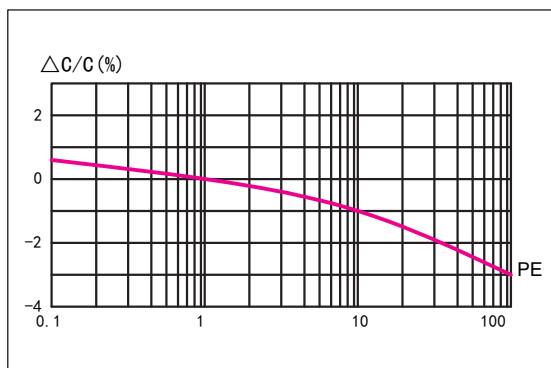
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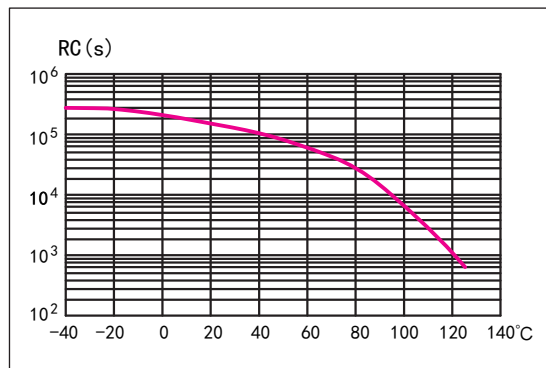
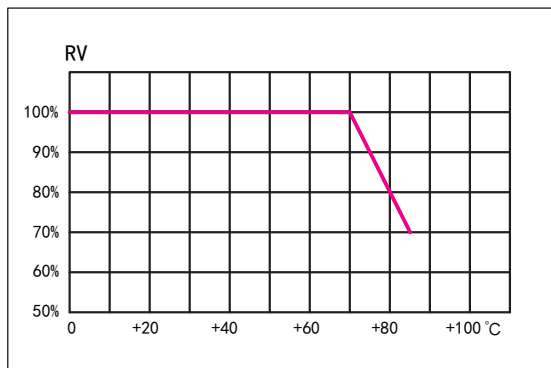
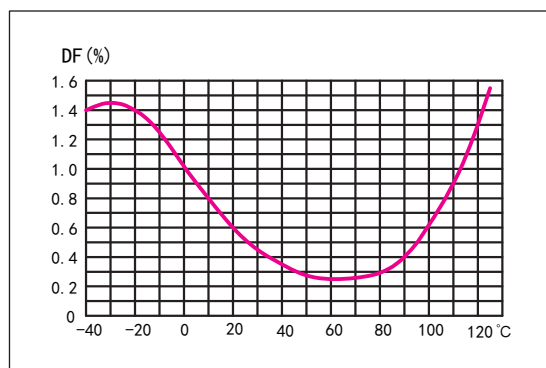
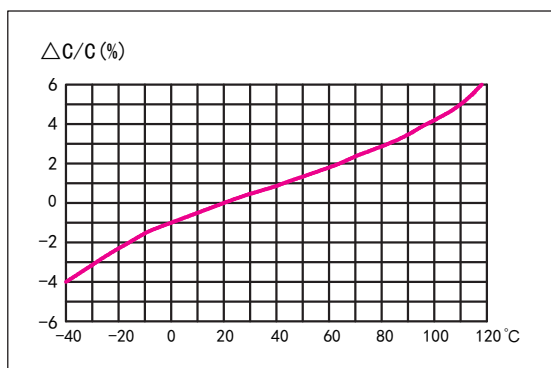
Product Shape



Temperature Characteristics



Frequency Characteristics



MET

Unit: mm

SIZE μ F	Un	100VDC			250VDC			400VDC			630VDC		
		OD	L	dΦ	OD	L	dΦ	OD	L	dΦ	OD	L	dΦ
0.01		5.0	11.0	0.6	5.0	11.0	0.6	5.0	11.0	0.6	6.0	14.0	0.6
0.015		5.0	11.0	0.6	5.0	11.0	0.6	5.5	14.0	0.6	6.5	14.0	0.6
0.022		5.0	11.0	0.6	5.0	11.0	0.6	6.0	14.0	0.6	7.0	14.0	0.6
0.033		5.0	11.0	0.6	5.0	11.0	0.6	6.5	14.0	0.6	8.0	19.0	0.6
0.047		5.0	11.0	0.6	5.5	11.0	0.6	7.0	14.0	0.6	8.0	19.0	0.6
0.068		5.0	11.0	0.6	6.0	14.0	0.6	7.5	19.0	0.6	9.0	19.0	0.8
0.1		5.5	14.0	0.6	7.0	14.0	0.6	8.0	19.0	0.6	9.0	27.0	0.8
0.15		6.0	14.0	0.6	8.5	14.0	0.8	9.0	19.0	0.8	10.5	27.0	0.8
0.22		6.5	14.0	0.6	8.0	19.0	0.6	8.5	27.0	0.8	12.0	27.0	0.8
0.33		7.0	14.0	0.6	9.0	19.0	0.8	10.0	27.0	0.8	13.0	33.0	0.8
0.47		7.5	19.0	0.6	9.5	19.0	0.8	12.5	27.0	0.8	15.0	33.0	0.8
0.68		8.0	19.0	0.6	10.0	27.0	0.8	12.5	33.0	0.8	18.0	33.0	0.8
1.0		10.0	19.0	0.8	11.5	27.0	0.8	14.5	33.0	0.8	21.0	38.0	0.8
1.5		11.0	27.0	0.8	12.5	27.0	0.8	17.5	33.0	0.8	25.0	38.0	0.8
2.2		12.0	27.0	0.8	14.0	33.0	0.8	20.0	38.0	0.8	28.0	38.0	0.8
3.3		14.0	27.0	0.8	16.0	33.0	0.8	27.0	38.0	0.8			
4.7		15.0	33.0	0.8	20.0	38.0	0.8	30.0	38.0	0.8			
6.8		17.0	33.0	0.8	24.0	38.0	0.8						
10.0		20.0	33.0	0.8	23.0	48.0	0.8						

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

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Article Table

MEA

Unit: mm

SIZE Un μF	100VDC				250VDC				400VDC				630VDC			
	L	H	T	dΦ	L	H	T	dΦ	L	H	T	dΦ	L	H	T	dΦ
0.01													14.0	8.0	5.0	0.6
0.015													14.0	9.0	5.5	0.6
0.022													14.0	9.0	6.0	0.6
0.033													19.0	10.0	6.0	0.6
0.047													19.0	10.0	7.0	0.6
0.068													19.0	11.5	7.0	0.6
0.1	14.0	8.0	5.0	0.6	14.0	8.0	5.0	0.6	19.0	10.5	5.5	0.6	19.0	13.5	8.0	0.6
0.15	14.0	8.5	5.0	0.6	14.0	8.5	5.0	0.6	19.0	11.5	6.5	0.6	27.0	14.5	8.0	0.6
0.22	14.0	8.5	5.0	0.6	19.0	9.5	5.5	0.6	19.0	14.0	7.5	0.6	27.0	16.0	9.0	0.8
0.33	14.0	9.0	6.0	0.6	19.0	10.5	6.0	0.6	27.0	13.0	7.5	0.6	33.0	17.5	11.0	0.8
0.47	19.0	9.5	5.0	0.6	19.0	11.5	7.0	0.6	27.0	17.0	8.5	0.8	33.0	21.0	12.0	0.8
0.68	19.0	10.5	6.0	0.6	27.0	12.5	7.0	0.6	27.0	16.5	8.5	0.8	38.0	23.0	13.0	0.8
1.0	19.0	12.0	7.0	0.6	27.0	15.0	8.0	0.6	33.0	19.0	9.5	0.8	38.0	26.0	15.0	0.8
1.5	27.0	12.5	6.0	0.6	33.0	16.5	9.5	0.8	33.0	22.0	13.0	0.8	38.0	30.0	18.5	0.8
2.2	27.0	14.0	8.0	0.6	33.0	17.5	11.5	0.8	38.0	24.0	16.0	0.8	38.0	32.0	22.0	0.8
3.3	27.0	16.0	10.0	0.8	33.0	21.0	12.5	0.8	38.0	28.0	17.0	0.8	48.0	35.0	23.0	0.8
4.7	33.0	18.0	11.5	0.8	33.0	24.0	14.5	0.8	48.0	28.0	18.0	0.8				
6.8	33.0	20.0	12.0	0.8	38.0	25.0	15.0	0.8	48.0	33.0	23.0	0.8				
10.0	33.0	23.5	15.0	0.8	48.0	30.0	18.0	0.8								

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