

Axial Metallized Polypropylene Film Capacitors CBB20



Characteristics

- Metallized polypropylene film dielectric
- Non-inductive winding structure
- Myla tape with flame retardant epoxy resin at both ends
- Axial tin copper wire leads
- Resistance to high voltage, small $tg\delta$, low temperature rise

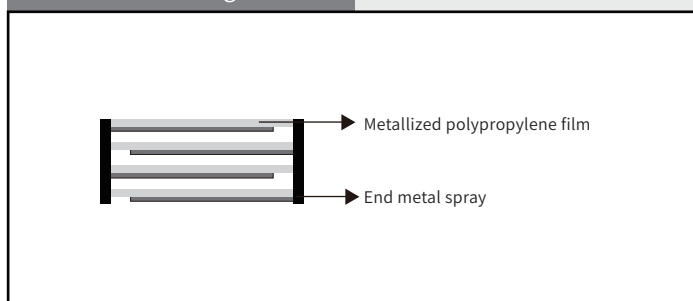
Application

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

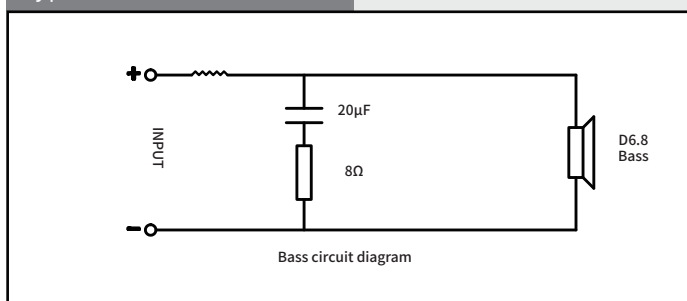
Technical Data

• Reference Standards	GB/T 10190(IEC 60384-16)					
• Climate Category	40/085/21					
• Operating Temperature Range	-40°C~85°C Tmax 105°C					
• Rated Voltage	250VDC、400VDC、630VDC					
• Capacitance Range	0.01μF~20 μF					
• Capacity Tolerance	±5%(J); ±10%(K); ±20% (M)					
• Withstand Voltage	$V_{et}: 1.6UN$ 5S (at20±5°C)					
• Dissipation Factor	$tg\delta \leq 0.0010$ (20°C, 1KHz)					
• Insulation Resistance	$C \leq 0.33\mu F$ $R \geq 30000M\Omega$ (at 20°C 100VDC 1Min)					
	$C > 0.33 \mu F$ $RCN \geq 10000S$ (at 20°C 100VDC 1Min)					
• Maximum Pulse Rise Time(dV/dt)	$U_N(V)$	dV/dt				
		L=14	L=19	L=27	L=33	L=44
	250VDC	10	8	5	3	2
	400VDC	15	12	7.5	5	3
630VDC	20	16	10	7	4	

Construction Diagram



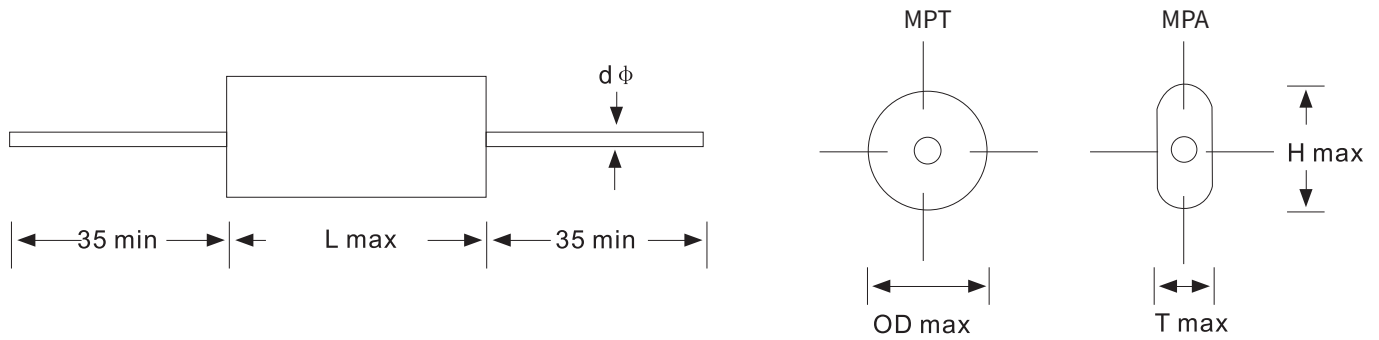
Typical Circuit



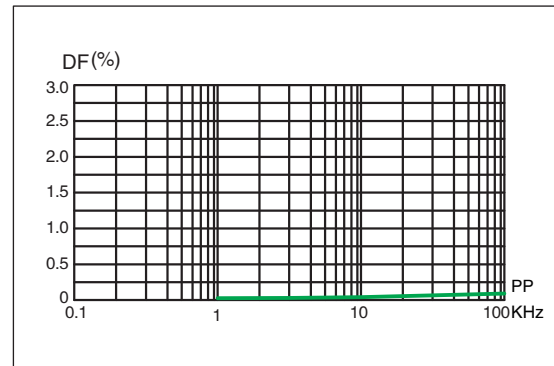
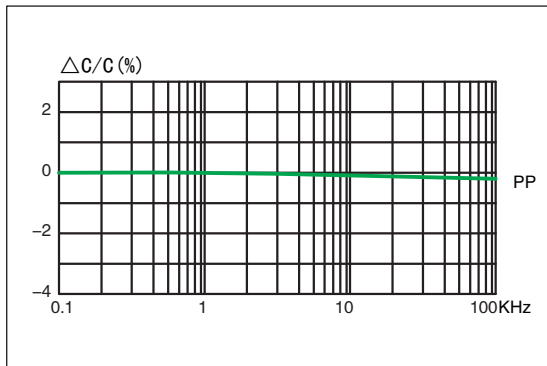
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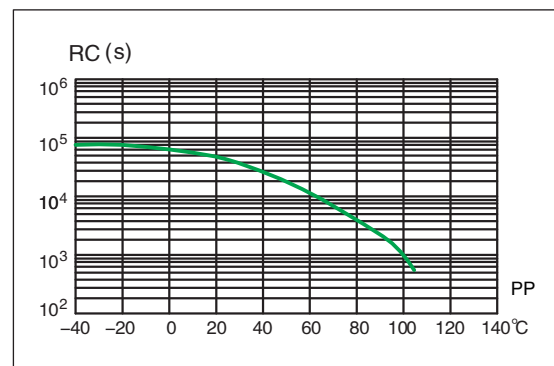
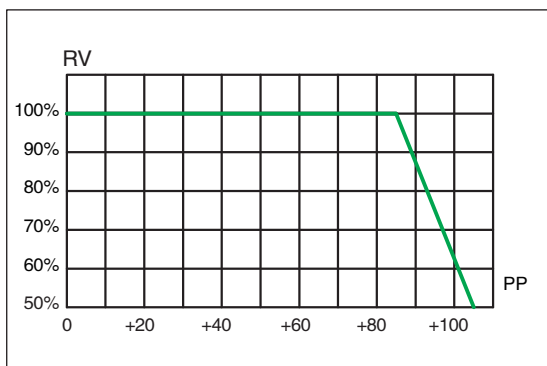
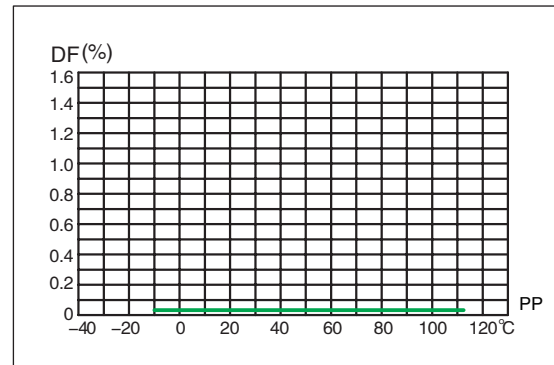
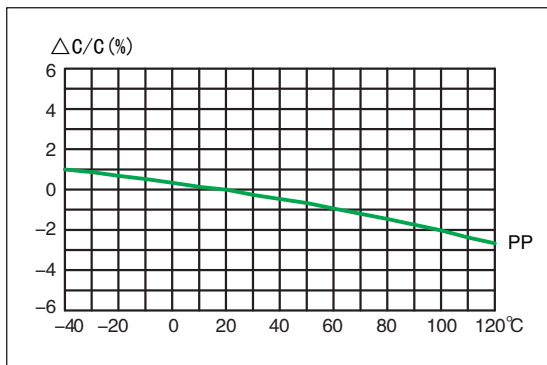
Product Shape



Temperature Characteristics



Frequency Characteristics



MPT		Unit: mm					
SIZE	Un	100/250VDC		400VDC		630VDC	
		OD	L	OD	L	OD	L
0.01				5.0	14.0	6.5	14.0
0.015				6.0	14.0	7.0	14.0
0.022				7.0	14.0	8.0	14.0
0.033				7.5	14.0	8.0	19.0
0.047		6.5	14.0	8.0	14.0	9.0	19.0
0.068		7.5	14.0	8.0	19.0	10.5	19.0
0.1		8.0	14.0	8.5	19.0	11.0	27.0
0.15		8.0	19.0	10.0	27.0	13.0	27.0
0.22		9.0	19.0	9.5	27.0	13.0	33.0
0.33		10.5	19.0	11.5	27.0	16.0	33.0
0.47		10.5	27.0	13.0	33.0	18.0	33.0
0.68		12.5	27.0	14.5	33.0	20.2	33.0
1.0		13.0	27.0	17.0	33.0	20.0	38.0
1.5		15.0	33.0	20.5	38.0	23.0	44.0
2.2		17.0	33.0	22.0	44.0	26.0	44.0
3.3		19.0	33.0	26.0			
4.7		20.5	38.0				
6.8		23.0	44.0				
10.0		26.0	44.0				

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

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Article Table

MPA

Unit: mm

SIZE Un μ F	100/250VDC			400VDC			630VDC		
	L	H	T	L	H	T	L	H	T
0.01				14.0	8.0	5.0	14.0	9.0	6.0
0.015				14.0	9.0	5.0	14.0	10.0	6.0
0.022				14.0	10.0	5.5	14.0	11.0	6.5
0.033				14.0	11.0	6.0	19.0	11.5	6.5
0.047	14.0	9.5	5.0	14.0	11.5	6.5	19.0	13.0	7.5
0.068	14.0	10.5	5.5	19.0	12.0	7.0	19.0	14.0	8.5
0.1	14.0	11.0	7.0	19.0	12.5	7.5	19.0	13.0	8.0
0.15	19.0	10.5	6.0	19.0	14.5	8.5	27.0	16.0	9.0
0.22	19.0	11.0	7.0	27.0	15.0	8.0	27.0	17.0	10.5
0.33	19.0	12.5	8.0	27.0	16.0	9.5	33.0	20.0	13.0
0.47	27.0	15.0	8.5	33.0	17.0	10.0	33.0	22.0	14.5
0.68	27.0	16.0	10.0	33.0	18.0	12.0	33.0	23.0	16.0
1.0	33.0	17.5	11.0	33.0	21.0	14.0	38.0	25.0	17.0
1.5	33.0	19.5	13.0	33.0	24.0	16.0	44.0	32.0	21.0
2.2	33.0	20.0	14.0	38.0	30.0	14.0	44.0	37.0	23.0
3.3	33.0	24.0	16.0	44.0	37.0	18.0			
4.7	38.0	26.0	17.0						
6.8	44.0	32.0	17.5						
10.0	44.0	38.0	18.0						

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