

## Metallized Polypropylene Film Capacitors

### CBB28



#### Characteristics

- Metallized polypropylene inner series structure
- Self-healing
- It can be bear high voltage
- Flame retardant epoxy resin wrapping

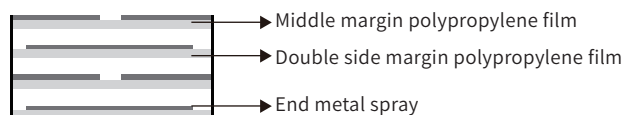
#### Application

- Widely used in high frequency, direct current and pulse circuits

#### Technical Data

• Reference Standard	GB/T 10190(IEC 60384-16)	
• Climatic Category	40/085/21	
• Operating Temperature Range	-40°C~85°C Tmax 105°C	
• Rated Voltage	100VDC、250VDC、400VDC、630VDC	
• Capacitance Range	0.001 μF~0.68 μF	
• Capacitance Tolerance	±5%(J); ±10%(K); ±20%(M)	
• Withstand Voltage	2UN 5S (at20±5°C)	
• Dissipation Factor	tgδ≤0.0010 (20°C, 1KHz)	
• Insulation Resistance	≥30000MΩ(at 20°C 100VDC 1Min)	
• Maximum Pulse Rise Time(Dv/dt)	Un(VDC)	dv/dt(V/μS)
	630	300
	1000	350
	1250	400

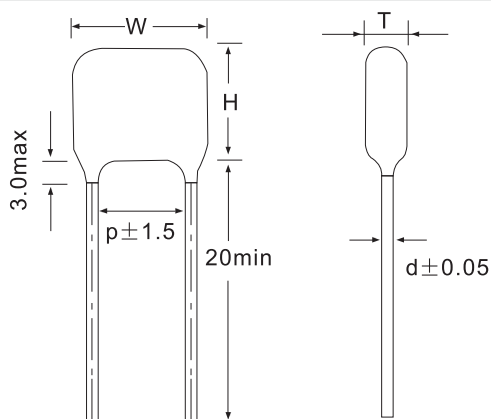
#### Construction Diagram



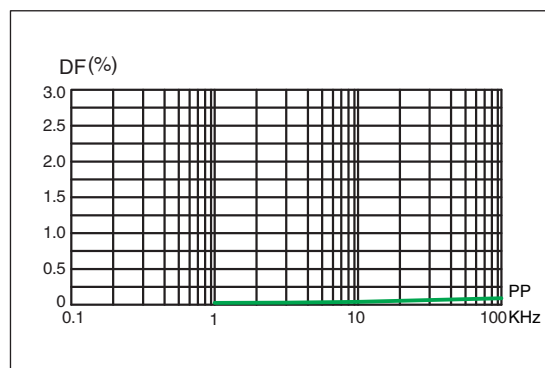
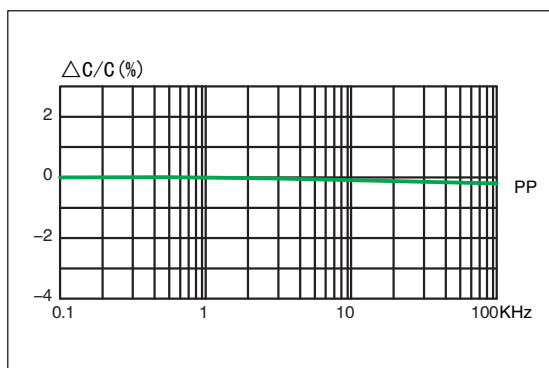
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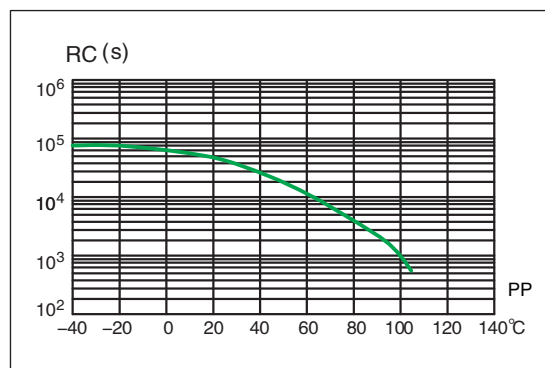
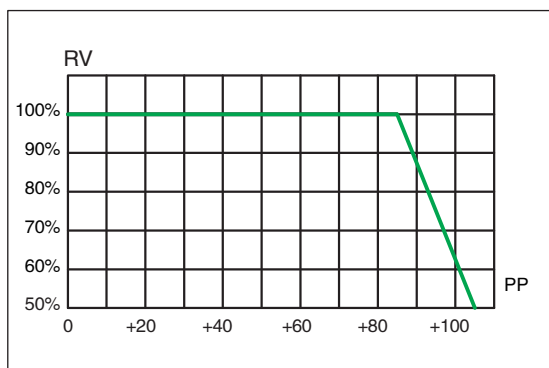
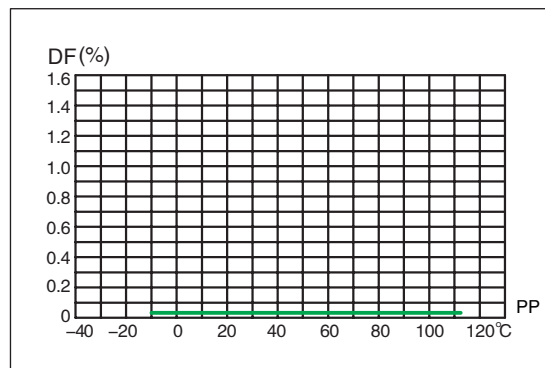
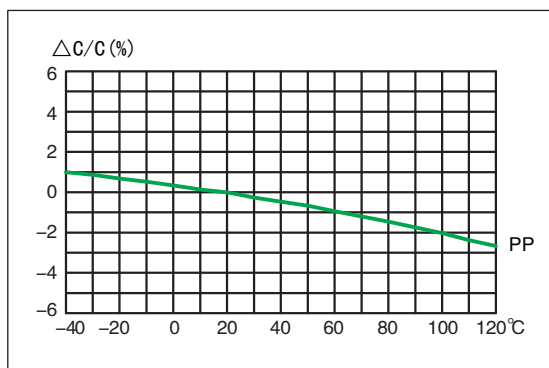
### Product Shape



### Temperature Characteristics



### Frequency Characteristics



### Article Table

#### R series

Capacity ( $\mu$ F)	Size mark	630V					1000V					1250V				
		Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.0010	R	13.0	5.5	10.0	10.0	0.6	13.0	5.0	9.0	10.0	0.6	13.0	5.0	9.0	10.0	0.6
0.0015	R	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6
0.0022	R	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6
0.0033	R	13.0	5.5	10.0	10.0	0.6	13.0	5.5	9.5	10.0	0.6	13.0	5.5	9.5	10.0	0.6
0.0047	R	13.0	6.0	10.5	10.0	0.6	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6
0.0068	R	13.0	6.5	10.5	10.0	0.6	13.0	6.5	10.5	10.0	0.6	13.0	6.5	10.5	10.0	0.6
0.0082	R	13.0	7.0	11.5	10.0	0.6	13.0	7.0	11.5	10.0	0.6	13.0	7.0	11.5	10.0	0.6

#### U series

Capacity ( $\mu$ F)	Size mark	630V					1000V					1250V				
		Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.0010	U	13.0	5.0	9.5	10.0	0.6	13.0	5.0	9.0	10.0	0.6	13.0	5.0	9.0	10.0	0.6
0.0015	U	13.0	5.0	9.5	10.0	0.6	13.0	5.0	9.5	10.0	0.6	13.0	5.0	9.5	10.0	0.6
0.0022	U	13.0	5.0	9.5	10.0	0.6	13.0	5.5	9.5	10.0	0.6	13.0	5.5	9.5	10.0	0.6
0.0033	U	13.0	5.0	9.5	10.0	0.6	13.0	5.0	9.0	10.0	0.6	13.0	5.0	9.0	10.0	0.6
0.0047	U	13.0	5.5	10.0	10.0	0.6	13.0	5.5	10.0	10.0	0.6	13.0	5.5	10.0	10.0	0.6
0.0068	U	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6	13.0	6.0	10.0	10.0	0.6
0.0082	U	13.0	6.5	11.0	10.0	0.6	13.0	6.5	11.0	10.0	0.6	13.0	6.5	11.0	10.0	0.6

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).