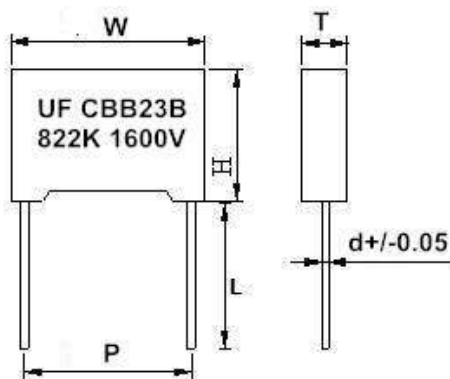


## CBB23B Box Type Metallized Polypropylene Film Capacitor

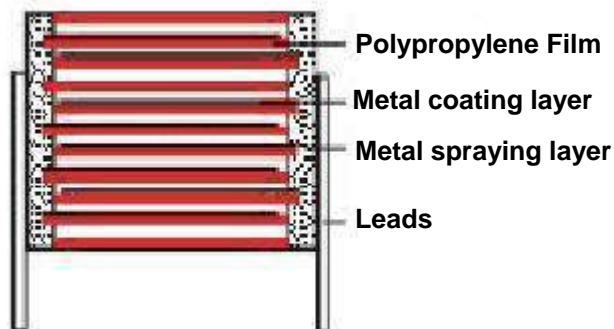
### Features

- ◆ Metallized polypropylene film, non-inductive construction.
- ◆ Low loss (DF) and small inherent temperature rise.
- ◆ Unremarkable capacitance change, negative temperature coefficient of capacitance.
- ◆ Plastic Housing (UL94 V-0), Coated with flame-retardant epoxy resin

### Drawing



### Inner Structure



## CBB23B Box Type Metallized Polypropylene Film Capacitor

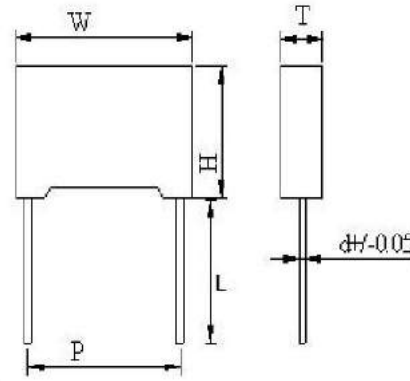
### Typical Applications

- ◆ Widely used in high frequency, DC,AC and pulse circuits.
- ◆ Widely used in high current pulse.

### Specifications

	Articles	Specifications	Test Methods
1	Reference standard	GB/T14579 (IEC60384-17)	
2	Operating Temperature Range	-40~105℃	
3	Rated Voltage	630V 1000V 1600V	
4	Capacitance Range	0.0033uF~0.015uF 1KHz 1.0V	
5	Capacitance Tolerance	±5% (J) 、 ±10% (K) 1KHz 1.0V	
6	Test Voltage	No failure Voltage Proof =1.6U <sub>R</sub>	Charge current≤50mA Voltage time: 5S
7	Dissipation	tanδ≤0.001 1KHz	Test conditions: 1KHz, 1.0V 20℃
8	Insulation Resistance	C≤0.33 uF ,R≥50000MΩ C>0.33 uF ,R≥15000S(MΩ/μF)	AT 100VDC 60SEC

**Standard Lead Style: Straight Lead**



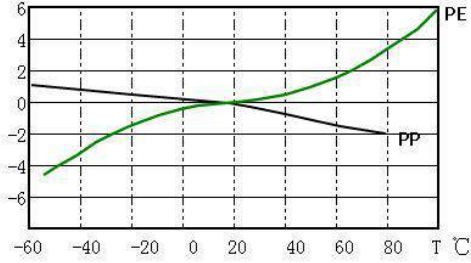
Unit: mm

Part number	Specification	L min	Wmax	Hmax	Tmax	P±1	d±0.05
CBB23BF104K10000150B000	104K/1000V	20	18.5	16.5	10.5	16	0.85

## Film capacitor characteristics typical curve

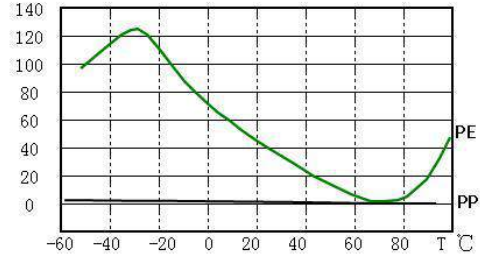
### Temperature Characteristics

$\Delta C/C$  (%)



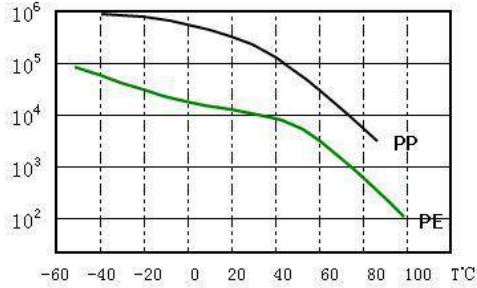
Capacitance vs. temperature at 1kHz

$\text{tg } \delta$  ( $\times 10^{-4}$ )



Dissipation factor vs. temperature at 1KHz

I. R. (MΩ)

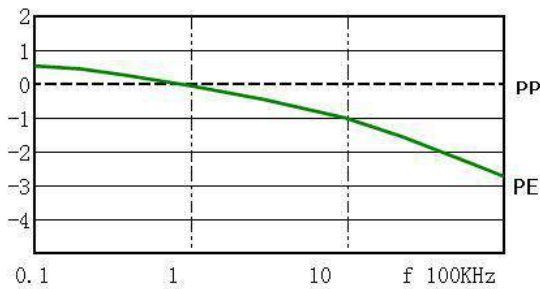


I. R. vs. temperature

PE: 聚酯薄膜 (Polyester Film)  
 PP: 聚丙烯薄膜 (Polypropylene Film)

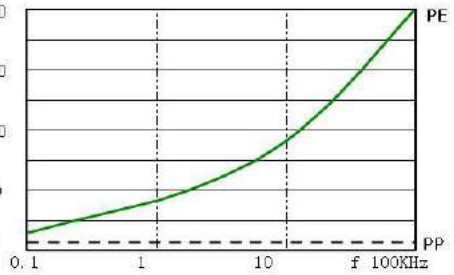
### Frequency Characteristics

$\Delta C/C$  (%)



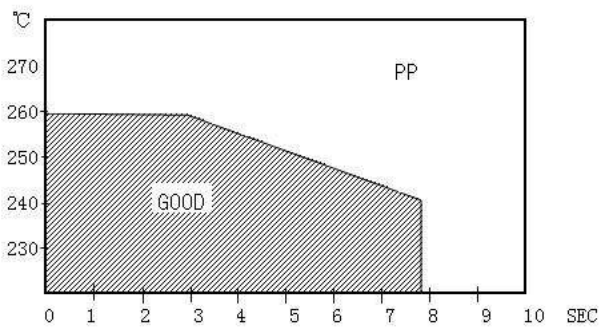
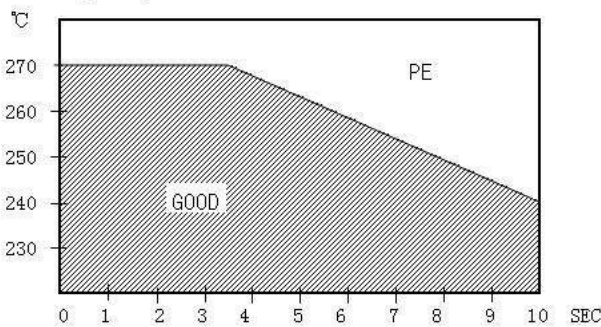
Capacitance vs. frequency (Room temperature)

$\text{tg } \delta$  ( $\times 10^{-4}$ )



Dissipation factor vs. frequency (Room temperature)

### Soldering Temperature VS Time



## Permissible AC Voltage vs Frequency

### Metallized Polypropylene Film Capacitor(CBB23B)

