

CBB21B Box Type Metallized Polypropylene Film Capacitor

FEATURES

High reliability at high current stress.
 Self-healing properties.
 Flame retardant plastic case and epoxy resin.
 Low losses, high dv / dt capability.
 High moisture resistance.
 High stability of capacitance and long life.

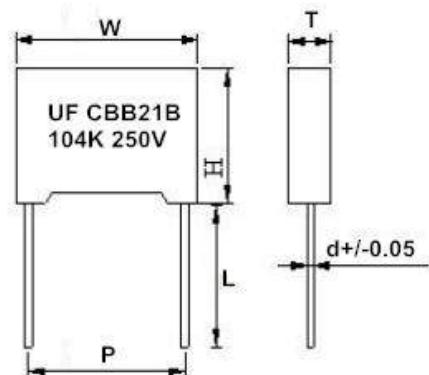
Typical applications

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

Widely used in high current pulse.

SPECIFICATIONS

Operating Temperature	-40°C ~ +85°C
Rated Voltage	250V, 400V, 630VDC
Capacitance Range	0.0047~3.9μF
Capacitance Tolerance	±5%, ±10%
Insulation Resistance	C≤0.33μF ; IR ≥50000MOhm C>0.33μF ; IR≥15000MOhm
Dissipation Factor	0.1%max. at 1KHz, 20°C
Dielectric Strength	160% of rated voltage for 60sec.



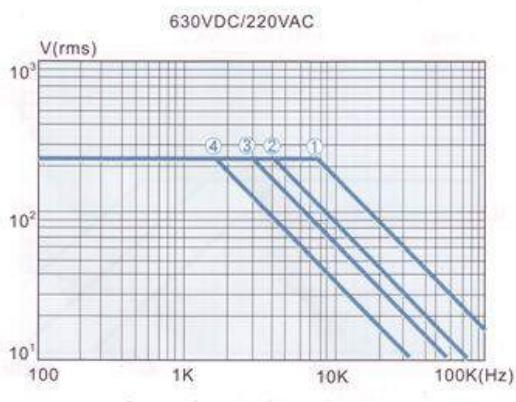
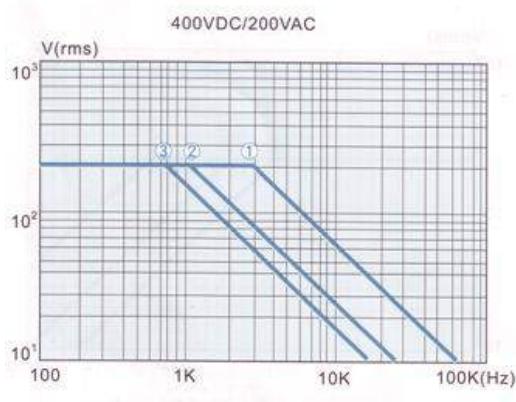
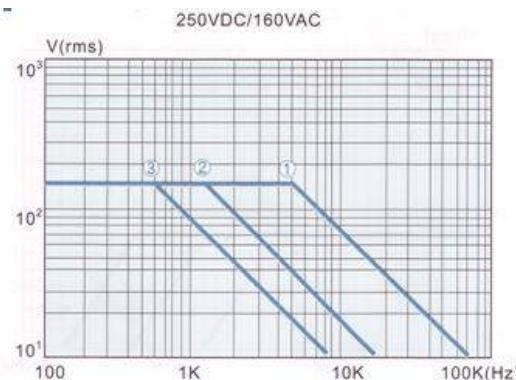
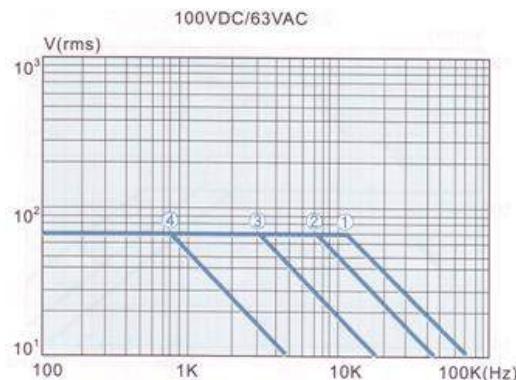
Dimensions

STANDARD SIZE (mm)															
μF	250VDC					400VDC					630VDC				
	W ±1.0	H ±1.0	T ±1.0	P ±1.0	d ±0.05	W ±1.0	H ±1.0	T ±1.0	P ±1.0	d ±0.05	W ±1.0	H ±1.0	T ±1.0	P ±1.0	d ±0.05
0.0047	13	9	4	10	0.6	13	9	4	10	0.6	13	9	4	10	0.6
0.0056	13	9	4	10	0.6	13	9	4	10	0.6	13	9	4	10	0.6
0.0068	13	9	4	10	0.6	13	9	4	10	0.6	13	9	4	10	0.6
0.0082	13	11	5	10	0.6	13	11	5	10	0.6	13	11	5	10	0.6
0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.012	--	--	--	--	--	13	9	4	10	0.6	13	11	5	10	0.6
0.015	--	--	--	--	--	13	11	5	10	0.6	13	12	6	10	0.6
0.018	--	--	--	--	--	13	11	5	10	0.6	13	12	6	10	0.6
0.022	--	--	--	--	--	13	11	5	10	0.6	--	--	--	--	--
0.027	13	11	5	10	0.6	13	11	5	10	0.6	13	12	6	10	0.6
0.033	13	11	5	10	0.6	13	11	5	10	0.6	--	11	5	15	0.6
						18	11	5	15			18	11	5	15
0.039	13	11	5	10	0.6	13	11	5	10	0.6	--	--	--	--	--
						18	11	5	15		--	--	--	--	--
0.047	13	11	5	10	0.6	13	11	5	10	0.6	18	11	5	15	0.6
						18	11	5	15		18	11	5	15	0.6
0.056	13	11	5	10	0.6	18	11	5	15	0.6	18	11	5	15	0.6
0.068	13	11	5	10	0.6	18	11	5	15	0.6	18	11	5	15	0.6
	18	11	5	15	0.6		18	11	5	15	0.6	26.5	15	6	22.5
0.082	13	12	6	10	0.6	18	11	5	15	0.6	18	12	6	15	0.8
	18	11	5	15	0.6		18	11	5	15	0.6	26.5	15	6	22.5
	26.5	15	6	22.5	0.6	26.5	15	6	22.5	0.6	26.5	22	12	22.5	0.8

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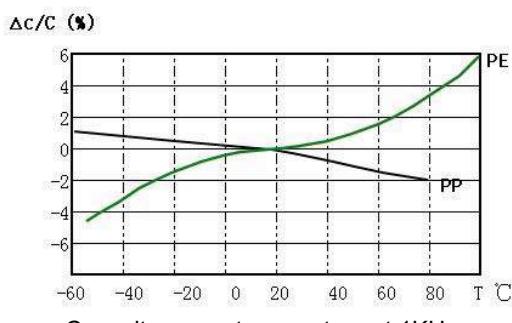
Permissible AC Voltage vs Frequency



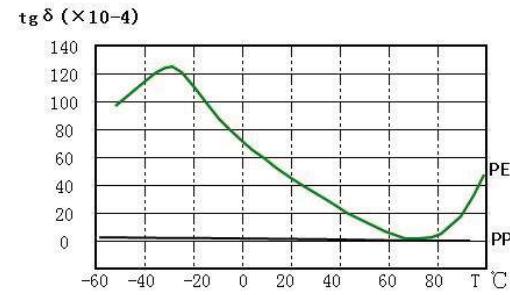
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Film Capacitor Characteristics Typical Curve

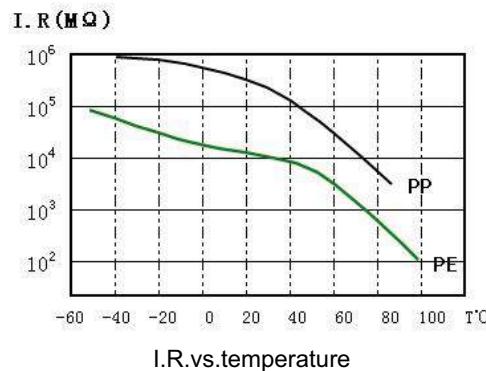
Temperature Characteristic



Capacitance vs. temperature at 1KHz



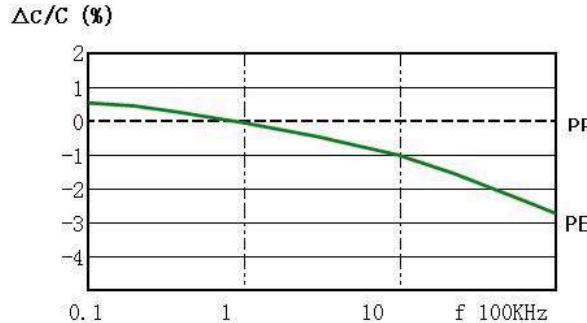
Dissipation factor vs. temperature at 1KHz



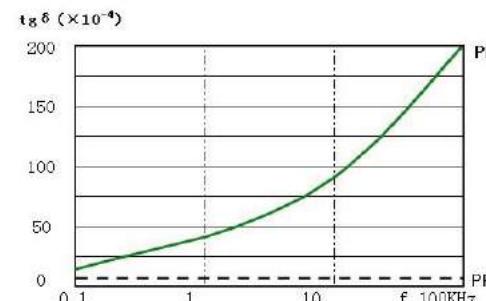
I.R. vs. temperature

PE: Polyester Film
PP: Polypropylene Film

Frequency Characteristics



Capacitance vs. frequency (Room temperature)



Dissipation factor vs. frequency (Room Temperature)

Soldering temperature vs time

