Metallized Polypropylene Film Capacitor (CBB21B)

Data Sheet

Feature

■Wide capacitance range from 0.01uF to 1.0uF

■Operating Temperature: -40℃～85℃

■Storage Temperature: 15℃~35℃

■Low dissipation factor at high frequency

■Metallized polypropylene film, flame retardant plastic case and epoxy resin filled

■High stability of capacitance &DF

■Self-healing property

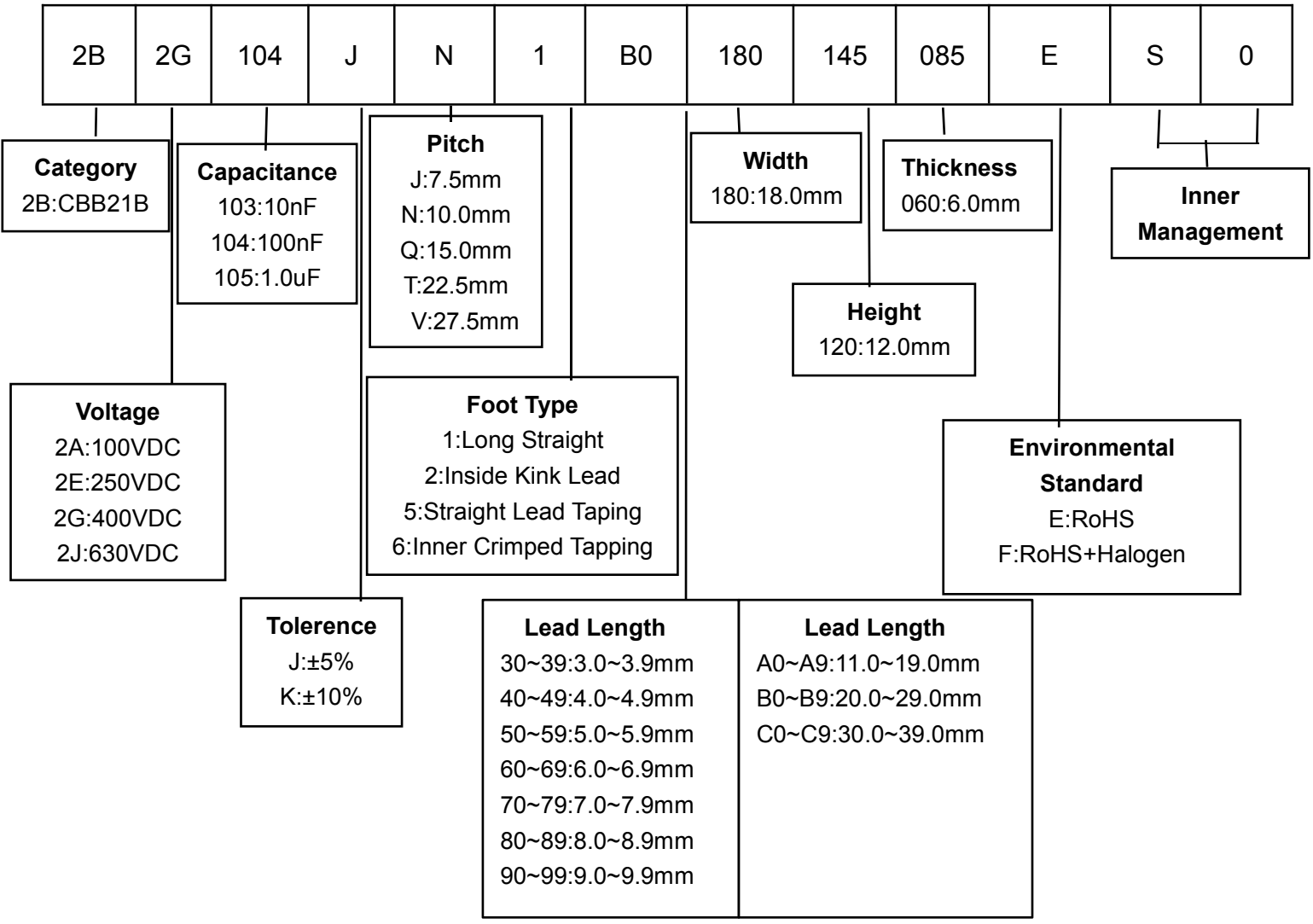
■High insulation resistance

Applications

■Widely used in high frequency, DC, AC and pulse circuit

■S-correction circuit for TV sets and monitors

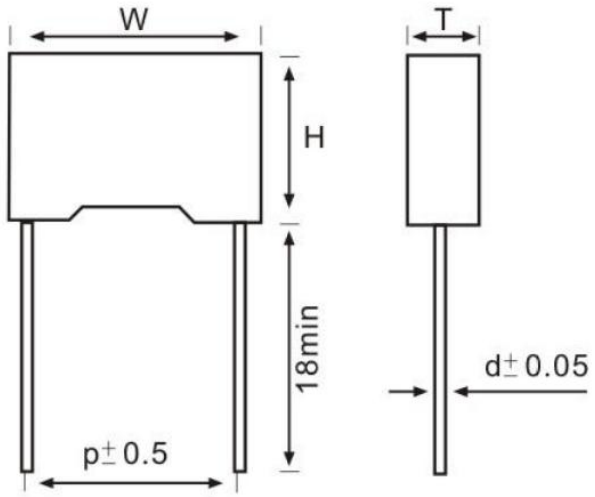
Part Number Code



Specifications

Climatic Category	40/100/56
Rated Voltage	100VDC、250VDC、 400VDC、630VDC、
Dissipation Factor (tanδ)	≤0.1%(1KHz、1.0Vrms、20℃)
Withstand Voltage	$1.6U_R$ (5s)
Insulation Resistance (I.R.)	IR≥50000MΩ (AT 100VDC、60SEC、20℃)

Dimensions (mm)

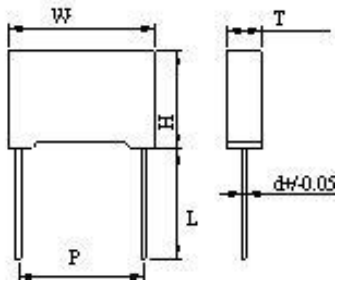
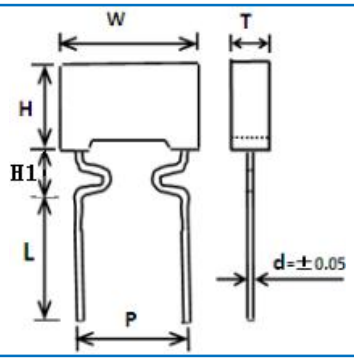


Capacitance (uF)	Rated Voltage	Size (mm)				
		W±0.5	H±0.5	T±0.5	P±1.0	d±0.05
0.01	400VDC	10.0	9.0	4.0	7.5	0.6
	630VDC	10.0	11.0	5.0	7.5	0.6
0.012	400VDC	10.0	9.0	4.0	7.5	0.6
	630VDC	10.0	11.0	5.0	7.5	0.6
0.015	400VDC	10.0	9.0	4.0	7.5	0.6
	630VDC	10.0	12.0	6.0	7.5	0.6
0.018	400VDC	10.0	9.0	4.0	7.5	0.6
	630VDC	10.0	12.0	6.0	7.5	0.6
0.022	250VDC	10.0	8.0	4.0	7.5	0.6
	400VDC	10.0	9.0	4.0	7.5	0.6
	630VDC	13.0	11.0	5.5	10.0	0.6
0.027	250VDC	10.0	8.0	4.0	7.5	0.6
	400VDC	10.0	11.0	5.0	7.5	0.6
	630VDC	13.0	12.0	6.0	10.0	0.6
0.033	250VDC	10.0	9.0	4.0	7.5	0.6
	400VDC	10.0	11.0	5.0	7.5	0.6
	630VDC	13.0	13.0	7.0	10.0	0.6
0.039	250VDC	10.0	9.0	4.0	7.5	0.6
	400VDC	13.0	11.0	5.0	10.0	0.6
	630VDC	13.0	13.0	7.0	10.0	0.6

Capacitance (uF)	Rated Voltage	Size (mm)				
		W±0.5	H±0.5	T±0.5	P±1.0	d±0.05
0.047	100VDC	10.0	9.0	4.0	7.5	0.6
	250VDC	10.0	11.0	5.0	7.5	0.6
	400VDC	13.0	11.0	5.0	10.0	0.6
	630VDC	13.0	14.0	8.0	10.0	0.6
0.056	100VDC	10.0	9.0	4.0	7.5	0.6
	250VDC	10.0	11.0	5.0	7.5	0.6
	400VDC	13.0	12.0	6.0	10.0	0.6
	630VDC	13.0	14.0	8.0	10.0	0.6
0.068	100VDC	10.0	9.0	4.0	7.5	0.6
	250VDC	10.0	11.0	5.0	7.5	0.6
	400VDC	13.0	13.0	7.0	10.0	0.6
	630VDC	18.0	12.0	6.0	15.0	0.8
0.1	100VDC	10.0	11.0	5.0	7.5	0.6
	250VDC	10.0	12.0	6.0	7.5	0.6
	400VDC	13.0	14.0	8.0	10.0	0.6
	630VDC	18.0	12.0	6.0	15.0	0.8
0.15	100VDC	10.0	12.0	6.0	7.5	0.6
	250VDC	13.0	12.0	6.0	10.0	0.6
	400VDC	18.0	12.0	6.0	15.0	0.8
	630VDC	18.0	13.5	7.5	15.0	0.8
0.22	100VDC	13.0	11.0	5.0	10.0	0.6
	250VDC	13.0	12.0	6.0	10.0	0.6
	400VDC	18.0	12.0	6.0	15.0	0.8
	630VDC	18.0	14.5	8.5	15.0	0.8
0.33	100VDC	13.0	13.0	7.0	10.0	0.6
	250VDC	18.0	12.0	6.0	15.0	0.8
	400VDC	18.0	13.5	7.5	15.0	0.8
	630VDC	18.0	16.0	10.0	15.0	0.8
0.47	100VDC	13.0	14.0	8.0	10.0	0.6
	100VDC	18.0	13.5	7.5	15.0	0.8
	250VDC	18.0	13.5	7.5	15.0	0.8
	400VDC	18.0	14.5	8.5	15.0	0.8
	400VDC	18.0	16.0	10.0	15.0	0.8
	630VDC	26.5	19.0	10.0	22.5	0.8

Capacitance (uF)	Rated Voltage	Size (mm)				
		W±0.5	H±0.5	T±0.5	P±1.0	d±0.05
0.68	100VDC	18.0	13.5	7.5	15.0	0.8
	250VDC	18.0	13.5	7.5	15.0	0.8
	400VDC	18.0	16.0	10.0	15.0	0.8
	630VDC	26.5	19.0	10.0	22.5	0.8
1.0	100VDC	18.0	16.0	10.0	15.0	0.8
	250VDC	18.0	16.0	10.0	15.0	0.8
	400VDC	18.0	19.0	11.0	15.0	0.8
	630VDC	32.0	22.0	13.0	27.5	0.8

Lead Configuration

Lead Style	Drawing	Lead Length L (mm)	Coating Lead Length H1(mm)
Long Straight		①[2.5≤L＜6.0]+/-0.5; ②[6.0≤L≤10]+/-1.0	/
Inner Crimped		①[2.5≤L＜6.0]+/-0.5; ②[6.0≤L≤10]+/-1.0	Pitch P＞10mm:H1＜6.0mm Pitch P≤10mm:H1＜5.0mm

Taping Specification (mm)

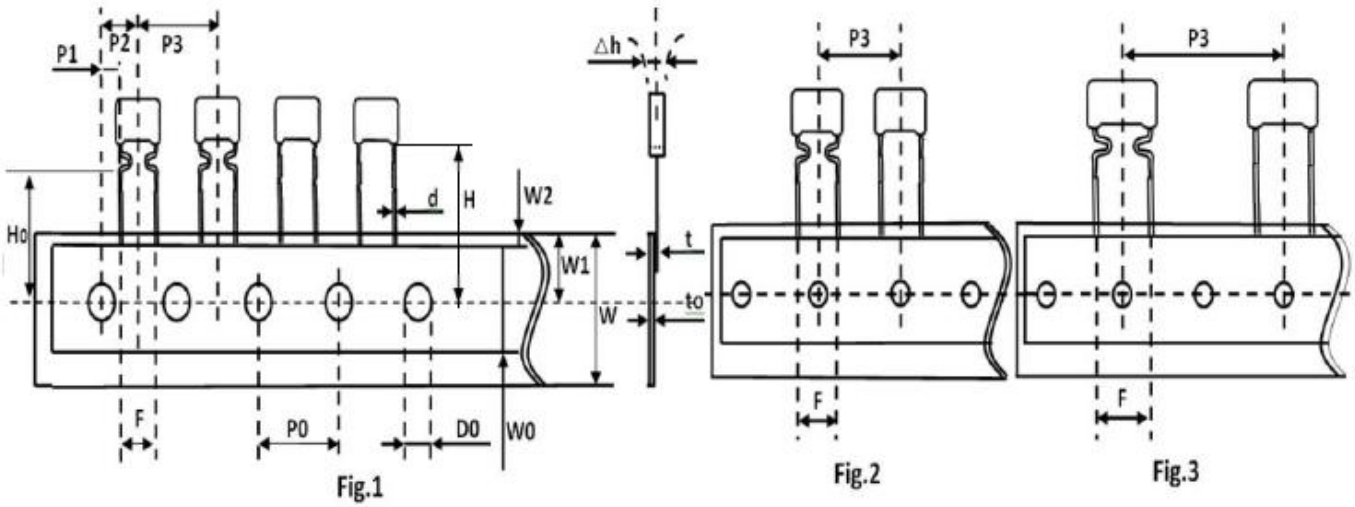


Fig.1 Fig.2 Fig.3

Symbol	Fig.1	Fig.2	Fig.2	Fig.3	Fig.3	Tolerance
	P=5.0	P=7.5	P=10	P=15	P=20/22.5	
P3	12.7	12.7	12.7	25.4	30.0	±1.0
P2	6.35	/	/	/	/	±1.3
P0	12.7	12.7	12.7	12.7	15.0	±0.3
P1	3.85	/	/	/	/	±0.7
F	5.0	7.5	10.0	15.0	20.0/22.5	±1.0
H	20.0	20.0	20.0	20.0	20.0	±1.0
H0	16.5	16.5	16.5	16.5	16.5	±0.5
Δ h	0	0	0	0	0	±2.0
W	18.0	18.0	18.0	18.0	18.0	+1.0/-0.5
W0	12.0	12.0	12.0	12.0	12.0	±1.0
W1	9.0	9.0	9.0	9.0	9.0	±0.5
W2	3.0	3.0	3.0	3.0	3.0	Max
D0	4.0	4.0	4.0	4.0	4.0	±0.3
d	0.5	0.6	0.6	0.8	0.8	±0.05
t	1.0	1.1	1.1	1.4	1.4	±0.2
t0	0.38	0.38	0.38	0.47	0.47	±0.04