High-Voltage Metallized Polypropylene Film Capacitor (CBB81) Data Sheet

Feature

■Wide operating voltage range from 0.001uF to 0.033uF

■Operating Temperature: -40℃～85℃

■Storage Temperature: 15℃~35℃

■Low loss(DF) and small inherent temperature rise

■Metallized polypropylene film, non-inductive winding construction

■Suitable for high pulse and high current loading circuit, high frequency 100KHz

■Capacitance change little, negative temperature coefficient of capacitance

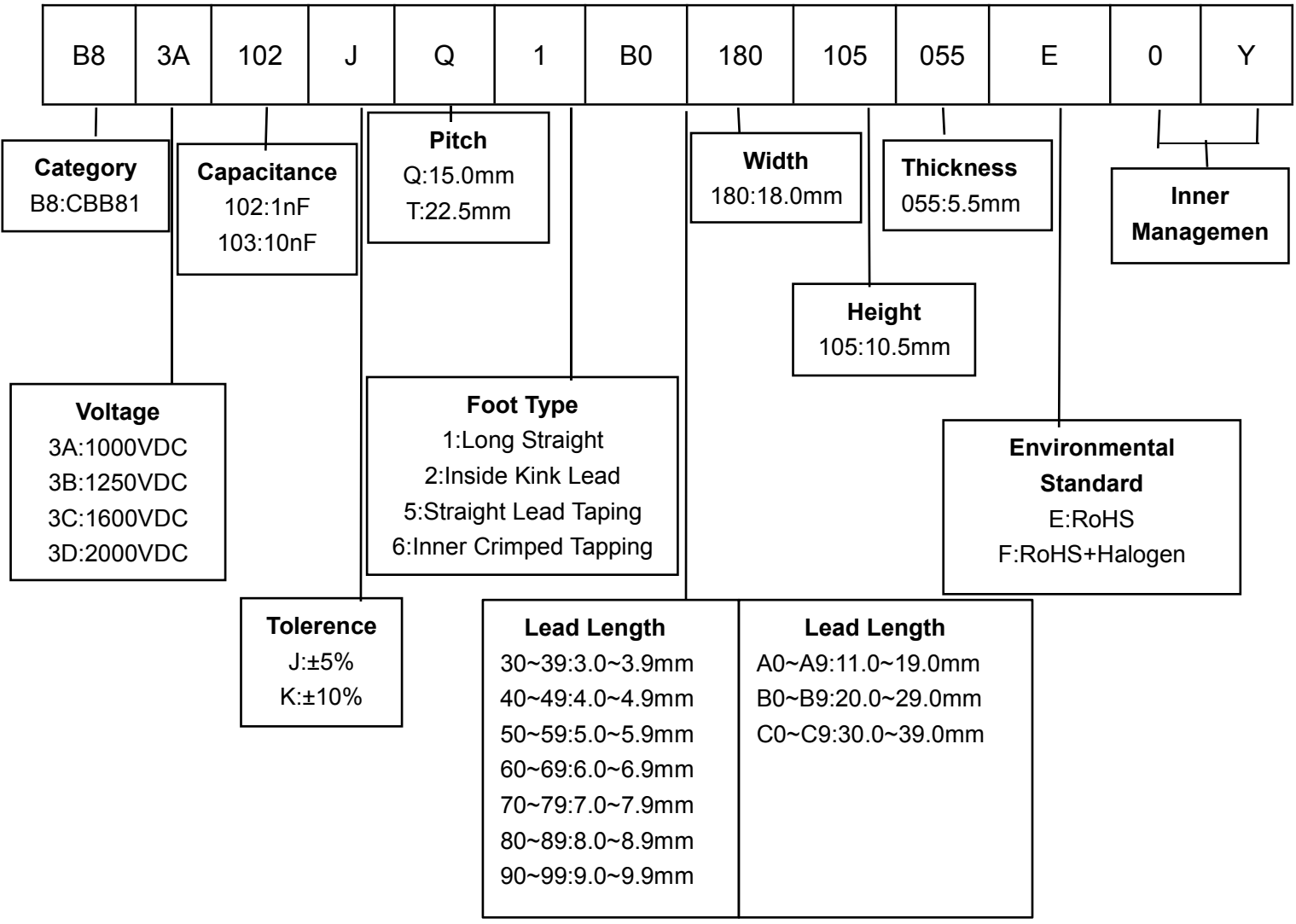
■Epoxy resin sealing

Applications

■Suitable for high pulse circuits and high current loading circuit

■Suitable for electronic ballast

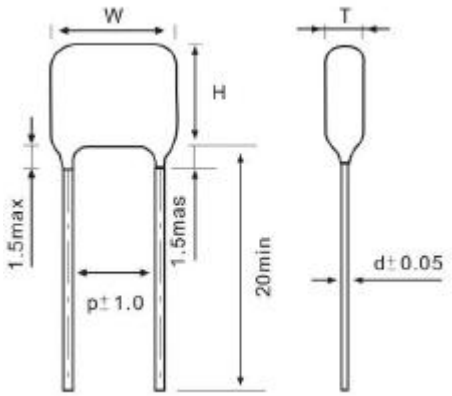
Part Number Code



Specifications

Climatic Category	40/100/56
Rated Voltage	1000VDC、1250VDC、 1600VDC、2000VDC、
Dissipation Factor (tanδ)	≤0.1%(1KHz、1.0Vrms、20℃)
Withstand Voltage	1.75U_R (5s)
Insulation Resistance (I.R.)	C≤0.33uF, IR≥50000MΩ C>0.33uF, IR≥15000S (AT 100VDC、60SEC、20℃)

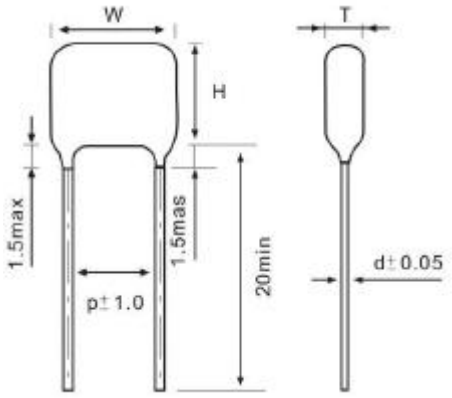
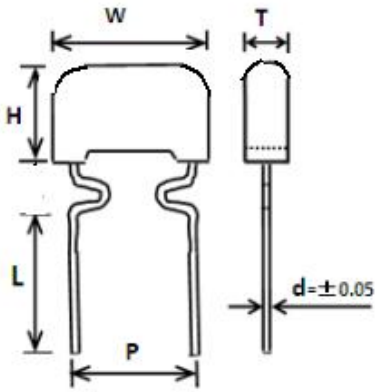
Dimensions (mm)



Capacitance (uF)	Rated Voltage	Size (mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.001	1000VDC	18.0	10.5	5.5	15.0	0.8
	1250VDC	18.0	10.5	5.5	15.0	0.8
	1600VDC	18.0	10.5	5.5	15.0	0.8
	2000VDC	18.0	10.5	5.5	15.0	0.8
0.0012	1000VDC	18.0	11.0	6.0	15.0	0.8
	1250VDC	18.0	11.0	6.0	15.0	0.8
	1600VDC	18.0	11.0	6.0	15.0	0.8
	2000VDC	18.0	11.0	6.0	15.0	0.8
0.0015	1000VDC	18.0	10.0	5.5	15.0	0.8
	1250VDC	18.0	10.0	5.5	15.0	0.8
	1600VDC	18.0	10.0	5.5	15.0	0.8
	2000VDC	18.0	10.0	5.5	15.0	0.8
0.0018	1000VDC	18.0	10.5	5.5	15.0	0.8
	1250VDC	18.0	10.5	5.5	15.0	0.8
	1600VDC	18.0	10.5	5.5	15.0	0.8
	2000VDC	18.0	10.5	5.5	15.0	0.8
0.0022	1000VDC	18.0	10.5	5.5	15.0	0.8
	1250VDC	18.0	10.5	5.5	15.0	0.8
	1600VDC	18.0	10.5	5.5	15.0	0.8
	2000VDC	18.0	11.0	6.0	15.0	0.8
0.0033	1000VDC	18.0	10.5	5.5	15.0	0.8
	1250VDC	18.0	10.5	5.5	15.0	0.8
	1600VDC	18.0	12.0	6.5	15.0	0.8
	2000VDC	18.0	12.5	7.0	15.0	0.8

Capacitance (uF)	Rated Voltage	Size (mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.0047	1000VDC	18.0	11.5	6.5	15.0	0.8
	1250VDC	18.0	11.5	6.5	15.0	0.8
	1600VDC	18.0	12.5	7.0	15.0	0.8
	2000VDC	18.0	14.5	8.5	15.0	0.8
0.0068	1000VDC	18.0	10.5	5.5	15.0	0.8
	1250VDC	18.0	12.5	7.0	15.0	0.8
	1600VDC	18.0	15.0	7.5	15.0	0.8
	2000VDC	18.0	17.0	10.0	15.0	0.8
0.0082	1000VDC	18.0	11.0	6.0	15.0	0.8
	1250VDC	18.0	14.5	7.5	15.0	0.8
	1600VDC	18.0	15.5	8.5	15.0	0.8
	2000VDC	18.0	18.0	10.5	15.0	0.8
0.01	1000VDC	18.0	11.5	6.5	15.0	0.8
	1250VDC	18.0	14.5	8.5	15.0	0.8
	1600VDC	18.0	16.5	9.5	15.0	0.8
	2000VDC	25.0	16.0	9.0	22.5	0.8
0.012	1000VDC	18.0	13.0	6.0	15.0	0.8
	1250VDC	18.0	16.0	9.0	15.0	0.8
	1600VDC	18.0	15.5	11.0	15.0	0.8
	2000VDC	25.0	17.0	11.0	22.5	0.8
0.015	1000VDC	18.0	14.0	7.0	15.0	0.8
	1250VDC	18.0	17.0	10.0	15.0	0.8
	1600VDC	25.0	15.0	8.0	22.5	0.8
	2000VDC	25.0	18.0	10.5	22.5	0.8
0.018	1000VDC	18.0	14.5	7.5	15.0	0.8
	1250VDC	18.0	18.0	11.0	15.0	0.8
	1600VDC	25.0	15.5	8.5	22.5	0.8
	2000VDC	25.0	19.0	11.5	22.5	0.8
0.022	1000VDC	18.0	15.5	8.5	15.0	0.8
	1250VDC	25.0	15.0	8.0	22.5	0.8
	1600VDC	25.0	16.0	9.0	22.5	0.8
	2000VDC	25.0	19.5	12.0	22.5	0.8
0.033	1000VDC	18.0	17.5	10.5	15.0	0.8
	1250VDC	25.0	17.0	10.0	22.5	0.8
	1600VDC	25.0	18.5	11.5	22.5	0.8

Lead Configuration

Lead Style	Drawing	Lead Length L (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

Taping Specification (mm)

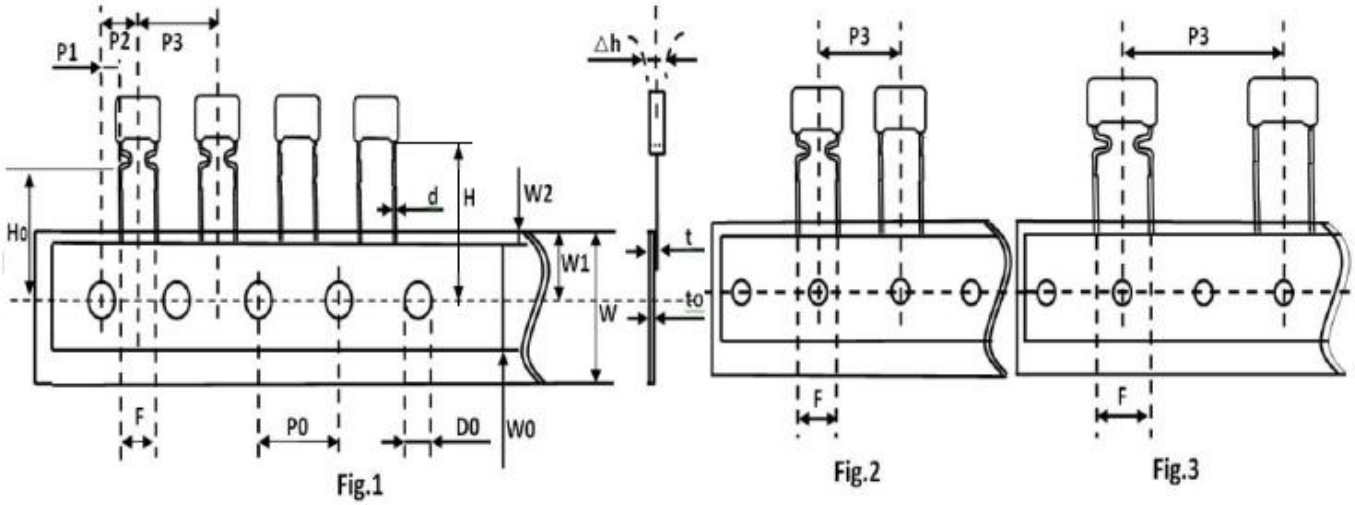


Fig.1 Fig.2 Fig.3

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