

# Polypropylene Film/Foil Capacitor (CBB13) Data Sheet

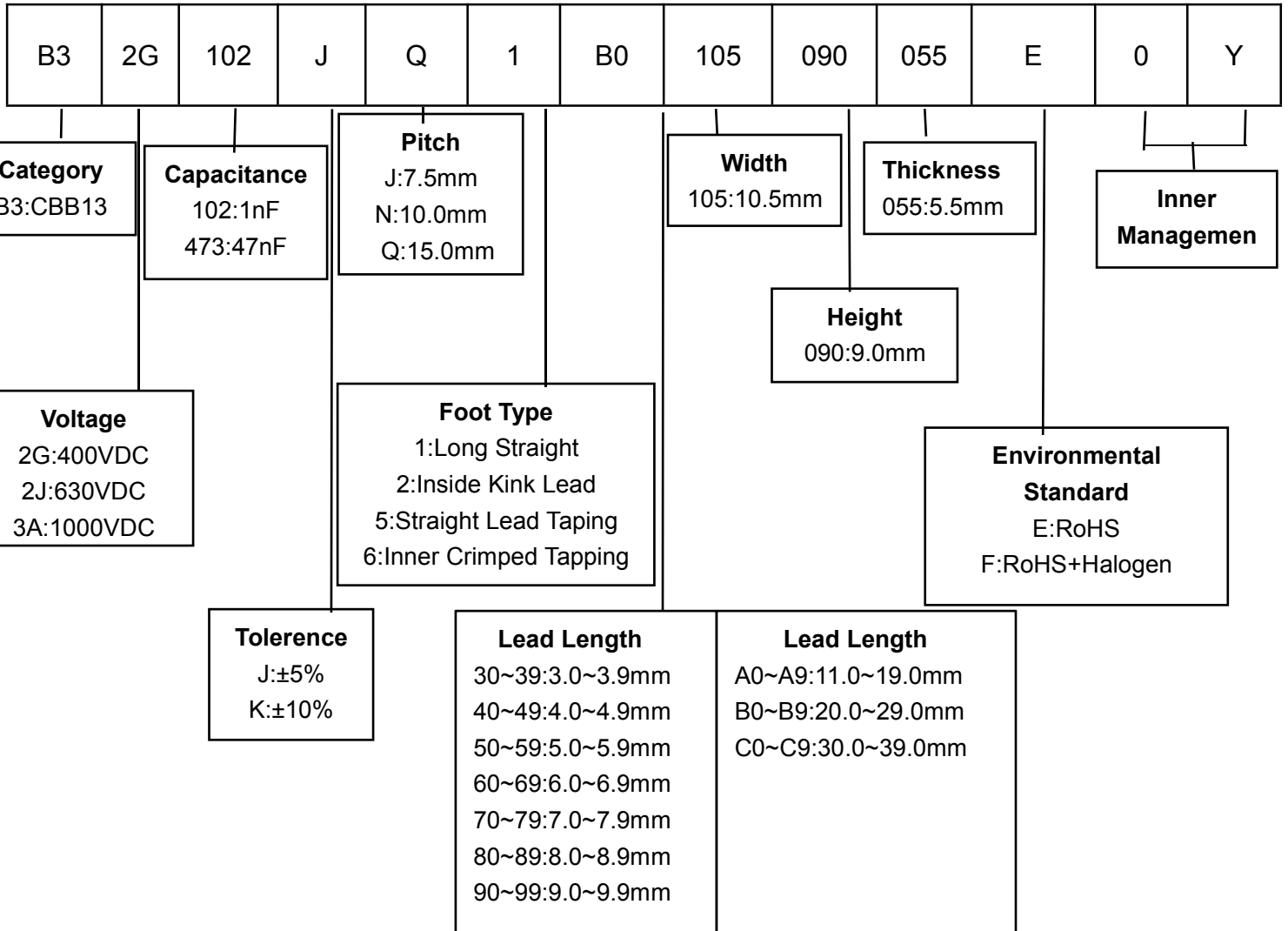
## Feature

- Wide operating voltage range from 0.001uF to 0.047uF
- Operating Temperature: -40°C ~ 85°C
- Storage Temperature: 15°C ~ 35°C
- Low loss(DF) and small inherent temperature rise
- Polypropylene film foil, 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 coupling of DC, and high pulse current loading circuit
- Suitable for electronic ballast

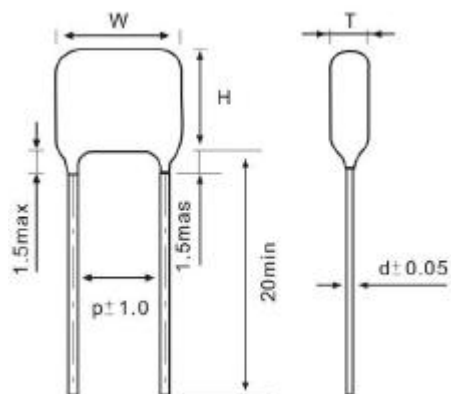
## Part Number Code



## Specifications

<b>Climatic Category</b>	40/100/56
<b>Rated Voltage</b>	400VDC、630VDC、1000VDC、
<b>Dissipation Factor (tanδ)</b>	≤0.1%(1KHz、1.0Vrms、20℃)
<b>Withstand Voltage</b>	2.0U <sub>R</sub> (5s)
<b>Insulation Resistance (I.R.)</b>	C≤0.33uF, IR≥50000MΩ C>0.33uF, IR≥15000S (AT 100VDC、60SEC、20℃)

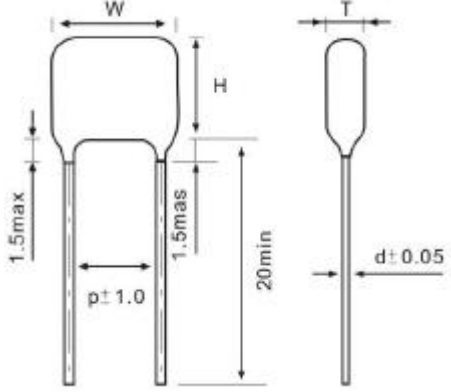
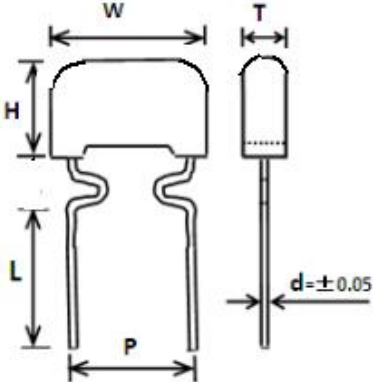
## Dimensions (mm)



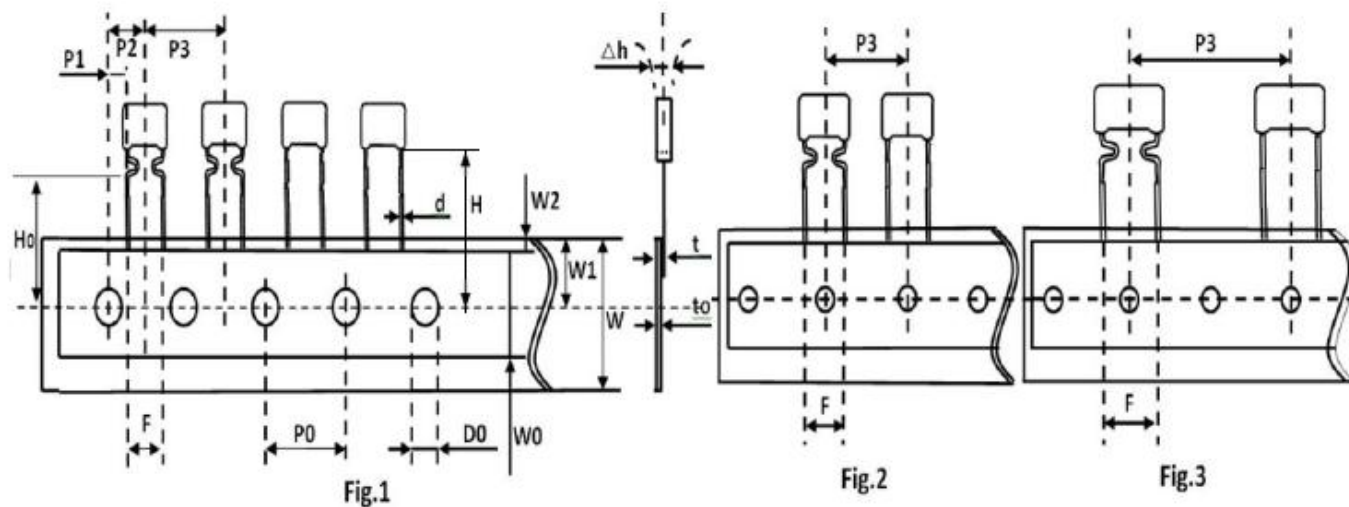
Capacitance (uF)	Rated Voltage	Size (mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.001	400VDC	10.5	9.0	5.5	7.5	0.6
	630VDC	10.5	9.0	5.5	7.5	0.6
	1000VDC	13.0	9.5	5.0	10.0	0.6
0.0012	400VDC	10.5	9.0	5.5	7.5	0.6
	630VDC	10.5	9.0	5.5	7.5	0.6
	1000VDC	13.0	9.5	5.0	10.0	0.6
0.0015	400VDC	10.5	9.0	5.5	7.5	0.6
	630VDC	10.5	9.0	5.5	7.5	0.6
	1000VDC	13.0	9.5	5.0	10.0	0.6
0.0018	400VDC	10.5	9.0	5.5	7.5	0.6
	630VDC	10.5	9.0	5.5	7.5	0.6
	1000VDC	13.0	9.5	5.5	10.0	0.6
0.0022	400VDC	10.5	9.0	5.5	7.5	0.6
	630VDC	10.5	9.0	5.5	7.5	0.6
	1000VDC	13.0	10.0	5.5	10.0	0.6
0.0033	400VDC	10.5	9.5	5.5	7.5	0.6
	630VDC	10.5	9.5	5.5	7.5	0.6
	1000VDC	13.0	10.0	5.5	10.0	0.6
0.0047	400VDC	13.0	10.0	5.5	10.0	0.6
	630VDC	13.0	10.0	5.5	10.0	0.6
	1000VDC	18.0	10.5	5.5	15.0	0.8
0.0068	400VDC	13.0	10.5	6.0	10.0	0.6
	630VDC	18.0	11.0	6.5	15.0	0.8
	1000VDC	18.0	11.0	6.5	15.0	0.8

Capacitance (uF)	Rated Voltage	Size (mm)				
		W Max	H Max	T Max	P ± 1.0	d ± 0.05
0.0082	400VDC	13.0	11.0	6.5	10.0	0.6
	630VDC	18.0	12.0	7.0	15.0	0.8
	1000VDC	18.0	12.0	7.0	15.0	0.8
0.01	400VDC	13.0	11.0	6.5	10.0	0.6
	630VDC	18.0	12.0	7.0	15.0	0.8
	1000VDC	18.0	12.0	7.0	15.0	0.8
0.012	400VDC	13.0	11.5	6.5	10.0	0.6
	630VDC	18.0	12.0	7.5	15.0	0.8
	1000VDC	18.0	12.0	7.5	15.0	0.8
0.015	400VDC	13.0	12.0	7.0	10.0	0.6
	630VDC	18.0	12.0	7.0	15.0	0.8
	1000VDC	18.0	13.5	8.0	15.0	0.8
0.018	400VDC	13.0	12.5	7.0	10.0	0.6
	630VDC	18.0	12.0	6.5	15.0	0.8
	1000VDC	18.0	15.0	8.0	15.0	0.8
0.022	400VDC	18.0	11.5	6.5	15.0	0.8
	630VDC	18.0	13.5	7.0	15.0	0.8
	1000VDC	18.0	16.0	9.0	15.0	0.8
0.027	400VDC	18.0	13.5	6.5	15.0	0.8
	630VDC	18.0	14.0	7.5	15.0	0.8
	1000VDC	18.0	16.5	10.0	15.0	0.8
0.033	400VDC	18.0	13.5	7.0	15.0	0.8
	630VDC	18.0	15.0	8.0	15.0	0.8
	1000VDC	18.0	17.5	10.5	15.0	0.8
0.047	400VDC	18.0	15.5	8.5	15.0	0.8
	630VDC	18.0	16.5	9.5	15.0	0.8

## Lead Configuration

Lead Style	Drawing	Lead Length L (mm)
Long Straight		① $[2.5 \leq L < 6.0] + / - 0.5$ ; ② $[6.0 \leq L \leq 10] + / - 1.0$
Inner Crimped		① $[2.5 \leq L < 6.0] + / - 0.5$ ; ② $[6.0 \leq L \leq 10] + / - 1.0$

## Taping Specification (mm)



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
Δh	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