

CBB81 (PPS)

Metallized Polypropylene Film and Film Foil Capacitors

RoHS COMPLIANT



Reference Standard

GB10188 (IEC384-13)

Structures

Material: Polypropylene film Metallized Vacuum Evaporated Layer and Aluminum Foil Enveloped with Fire-proof Epoxy Resin (UL94 V-0)

Using area

Fit for high impulse and Heavy current circuit.

E.G. monitor electronic ballast and Energy

Saving lamp

Features

With good self-healing effective and low loss in circuit,

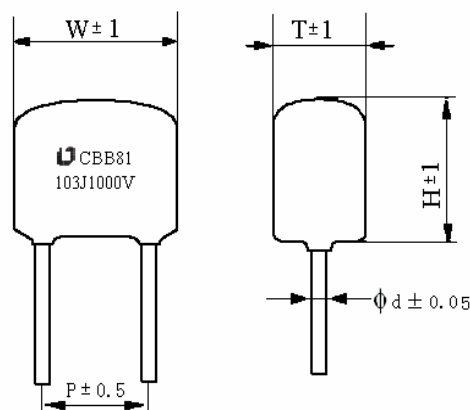
Have well voltage proof features under the high frequency

AC current It is series Capacitors with high rated voltage

Specifications

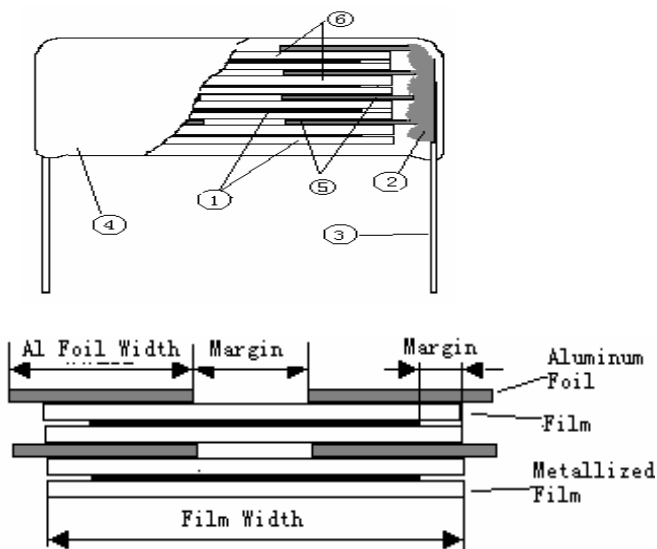
Climate Conditions	-40--+85°C/110°C	
Rated Voltage vdc	1250V、1600V、2000V、2500V、3000V	
Capacitance Tolerance	0.00022μF-0.22μF	
Capacitance Tolerance	(±2%) (±5%) (±10%)	
Testing Voltage	2.0U (5S)	
Insulation Resistance and Time Consistence	≤0.1μF	≥30000MΩ
	>0.1μF	≥3000S (MΩ.μF)
Dissipation Factor	≤0.0010	10KHz 20°C
Climate Category	There is no visible damage with the clearly mark. Capacitance: ΔC/C≤5% of the initial testing result Dissipation Factor: Increasing of tgδ≤0.001 Insulation Resistance IR: ≥50% of Rated	
Endurance Test	+85°C/110°C, 1000h Applying Voltage: 1.25*Rate Voltage Capacitance: ΔC/C≤5% Insulation Resistance IR: ≥50% of Rated Dissipation Factor: Increasing of tgδ≤0.001	

Outline Drawing



Pitch mm	10	15	20	25	31
The Diameters of Pins mm	0.6	0.8			

Structures



Explanations:

- ① Metallized Polypropylene Film
- ② Metal Spray Layer
- ③ CP Leads
- ④ Red Epoxy Resin
- ⑤ Aluminum Foil

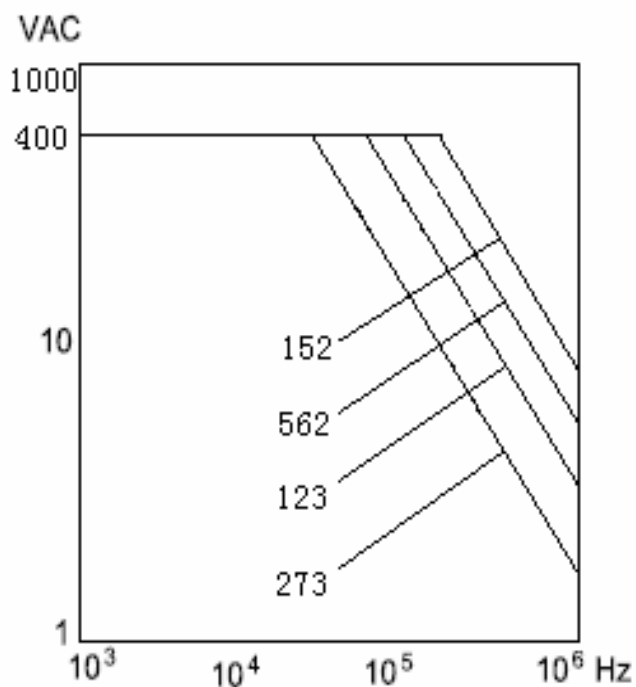
Metallized Polypropylene Film and Film Foil Capacitors

■The exchanging of AC and DC

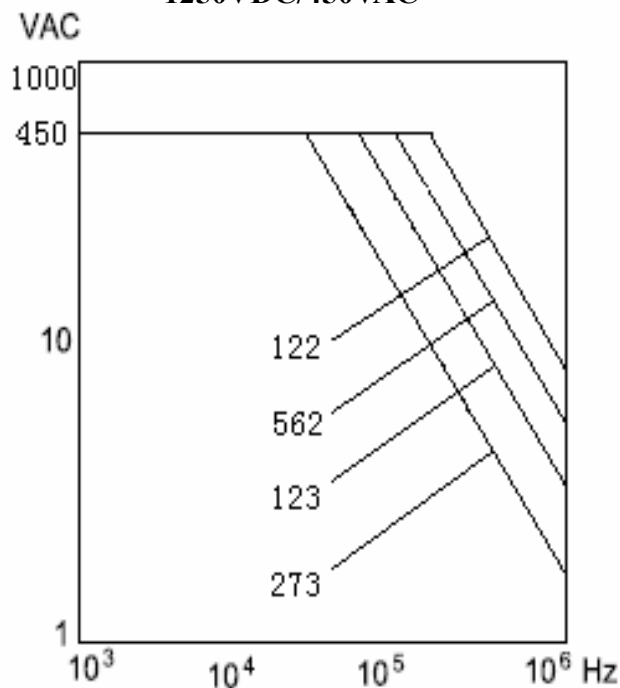
DC	1000VDC	1250VDC	1600VDC	2000/2500/3000 VDC
AC	400VAC	450VAC	500VAC	600VAC

■The Relationship of AC Voltage Proof and Frequency

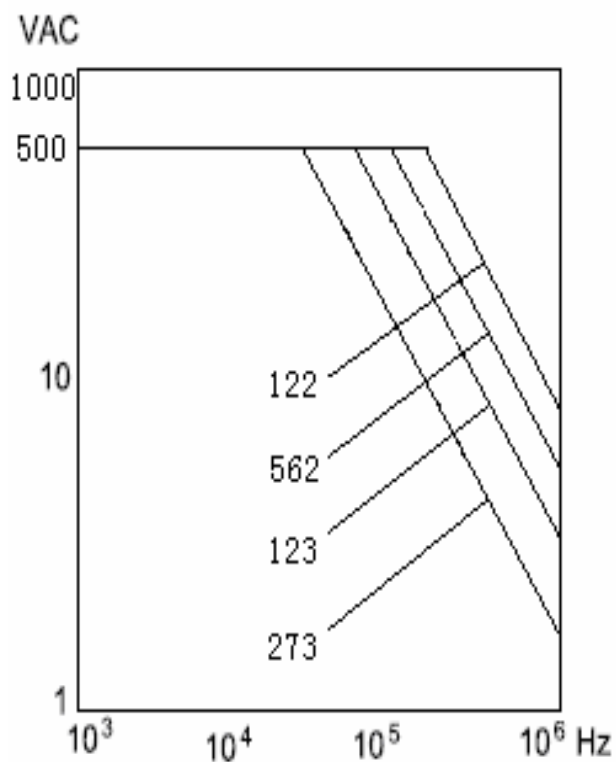
1000VDC/400VAC



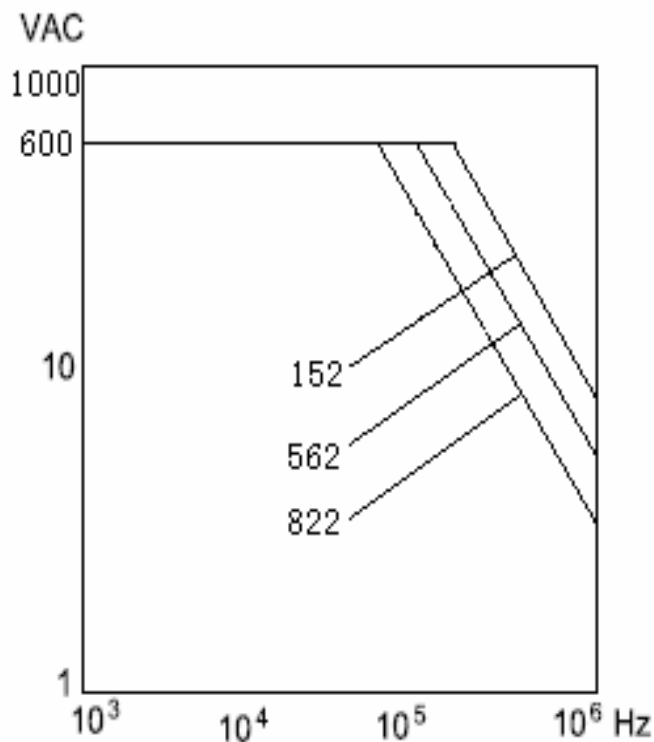
1250VDC/450VAC



1600VDC/500VAC



2000VDC/600VAC





CBB81 (PPS) Dimension Lists

Cap.	Part No.	Dimensions (mm)				Pitch (mm)	Cap.	Part No.	Dimensions (mm)				Pitch (mm)	Cap.	Part No.	Dimensions (mm)				Pitch (mm)
		W±1.0	T ±1.0	H±1.0					W±1.0	T ±1.0	H±1.0					W±1.0	T ±1.0	H±1.0		
1250VDC						1600VDC						2000VDC								
221	PPS221K(J)B19040900	18	4.0	9.0	15.0	221	PPS221K(J)C19040900	18	4.0	9.0	15.0	221	PPS221K(J)D19040900	18	4.0	9.0	15.0			
271	PPS271K(J)B19051000	18	4.5	9.5	15.0	271	PPS271K(J)C19051000	18	4.5	9.5	15.0	271	PPS271K(J)D19051000	18	4.5	9.5	15.0			
331	PPS331K(J)B19051000	18	5.0	10.0	15.0	331	PPS331K(J)C19051000	18	5.0	10.0	15.0	331	PPS331K(J)D19051000	18	5.0	10.0	15.0			
391	PPS391K(J)B19061100	18	6.0	11.0	15.0	391	PPS391K(J)C19061100	18	6.0	11.0	15.0	391	PPS391K(J)D19061100	18	6.0	11.0	15.0			
471	PPS471K(J)B19061100	18	6.0	11.0	15.0	471	PPS471K(J)C19061100	18	6.0	11.0	15.0	471	PPS471K(J)D19061100	18	6.0	11.0	15.0			
561	PPS561K(J)B19061200	18	6.0	11.5	15.0	561	PPS561K(J)C19061200	18	6.0	11.5	15.0	561	PPS561K(J)D19061200	18	6.0	11.5	15.0			
681	PPS681K(J)B19071300	18	7.5	13.0	15.0	681	PPS681K(J)C19071300	18	6.0	11.0	15.0	681	PPS681K(J)D19071300	18	6.0	11.0	15.0			
821	PPS821K(J)B19081300	18	8.0	14.0	15.0	821	PPS821K(J)C19081300	18	8.0	14.0	15.0	821	PPS821K(J)D19081300	18	8.0	14.0	15.0			
102	PPS102K(J)B19091400	18	9.0	14.0	15.0	102	PPS102K(J)C19091400	18	9.0	14.0	15.0	102	PPS102K(J)D19091400	18	9.0	14.5	15.0			
122	PPS122K(J)B19040900	18	4.0	9.0	15.0	102	PPS122K(J)C19081300	23	6.0	11.0	20.0	102	PPS122K(J)D19040900	23	6.0	11.0	20.0			
152	PPS152K(J)B19061100	18	6.0	11.0	15.0	122	PPS122K(J)C24061100	23	7.0	12.0	20.0	122	PPS122K(J)D19101500	18	10.0	15.0	15.0			
152	PPS152K(J)B24061300	23	6.0	13.0	20.0	122	PPS152K(J)C19081400	18	9.0	14.0	15.0	122	PPS122K(J)D24061100	23	7.0	12.0	20.0			
182	PPS182K(J)B19061100	18	6.0	11.0	15.0	152	PPS152K(J)C24061300	23	6.5	13.5	20.0	152	PPS152K(J)D19081400	18	8.5	14.0	15.0			
182	PPS182K(J)B24071200	23	7.0	12.0	20.0	152	PPS182K(J)C19061100	18	8.0	13.0	15.0	152	PPS152K(J)D24071300	23	7.5	13.0	20.0			
222	PPS222K(J)B19071200	18	7.0	12.0	15.0	182	PPS182K(J)C24081300	23	8.0	13.5	20.0	182	PPS182K(J)D19101500	18	10.0	15.0	15.0			
222	PPS222K(J)B24071200	23	7.0	12.0	20.0	182	PPS182K(J)C24081300	23	8.0	13.5	20.0	182	PPS182K(J)D24081300	23	8.0	13.5	20.0			
332	PPS332K(J)B19091400	18	8.3	13.2	15.0	222	PPS222K(J)C19071200	18	8.0	13.0	15.0	222	PPS222K(J)D19071200	18	7.5	13.0	15.0			
332	PPS332K(J)B24061100	23	6.0	11.0	20.0	222	PPS222K(J)C24071200	23	7.0	12.0	20.0	222	PPS222K(J)D24071200	23	7.0	12.0	20.0			
392	PPS392K(J)B19091600	18	9.0	16.0	15.0	272	PPS272K(J)C24081300	18	8.0	13.0	15.0	272	PPS272K(J)D19121700	18	12.5	18.0	15.0			
392	PPS392K(J)B24061200	23	6.0	12.0	20.0	272	PPS272K(J)C24081300	23	8.0	13.0	20.0	272	PPS272K(J)D24081300	23	8.0	13.0	20.0			
472	PPS472K(J)B19101700	18	8.0	15.0	15.0	332	PPS332K(J)C19091400	18	9.0	14.0	15.0	332	PPS332K(J)D19131800	18	14.0	19.0	15.0			
472	PPS472K(J)B24061300	23	6.0	13.0	20.0	332	PPS332K(J)C24081300	23	8.0	13.5	20.0	332	PPS332K(J)D24081400	23	8.5	14.0	20.0			
562	PPS562K(J)B19061100	18	7.0	12.0	15.0	392	PPS392K(J)C19101500	18	10.0	16.0	15.0	392	PPS392K(J)D19101500	18	10.0	15.0	15.0			
562	PPS562K(J)B24081500	23	8.0	15.0	20.0	392	PPS392K(J)C24081400	23	8.5	14.0	20.0	392	PPS392K(J)D24101500	23	10.0	15.0	20.0			
682	PPS682K(J)B19071300	18	7.0	13.0	15.0	472	PPS472K(J)C19101700	18	11.0	18.0	15.0	472	PPS472K(J)D19111600	18	11.0	16.0	15.0			
682	PPS682K(J)B24081500	23	8.0	15.0	20.0	472	PPS472K(J)C24091500	23	9.0	16.0	20.0	472	PPS472K(J)D24101500	23	10.0	15.0	20.0			
822	PPS822K(J)B19081300	18	8.0	13.0	15.0	562	PPS562K(J)C24101700	23	10.0	17.0	20.0	512	PPS512K(J)D19101700	18	11.0	18.0	15.0			
822	PPS822K(J)B24081500	23	8.0	15.0	20.0	562	PPS562K(J)C29081500	28	8.0	15.0	25.0	512	PPS512K(J)D24101700	23	11.0	18.0	20.0			
912	PPS912K(J)B19081400	18	8.5	14.5	15.0	682	PPS682K(J)C24081500	23	9.0	16.0	20.0	562	PPS562K(J)D24101700	23	10.0	17.0	20.0			
912	PPS912K(J)B24091600	23	10.0	16.0	20.0	682	PPS682K(J)C29091600	28	9.0	16.0	25.0	562	PPS562K(J)D29081500	28	8.0	15.0	25.0			
103	PPS103K(J)B19091400	18	9.0	14.0	15.0	822	PPS822K(J)C24081500	23	9.0	16.0	20.0	682	PPS682K(J)D24111800	23	11.5	18.5	20.0			
103	PPS103K(J)B24101600	23	10.0	16.0	20.0	822	PPS822K(J)C29101700	28	10.0	17.0	25.0	682	PPS682K(J)D29081700	28	8.5	17.5	25.0			
123	PPS123K(J)B24061100	23	6.5	11.0	20.0	912	PPS912K(J)C24121900	23	13.0	20.0	20.0	762	PPS762K(J)D24111800	23	12.0	18.0	20.0			
153	PPS153K(J)B24061300	23	7.0	14.0	20.0	912	PPS912K(J)C29101700	28	11.0	18.0	25.0	762	PPS762K(J)D29121900	28	13.0	19.5	25.0			
153	PPS153K(J)B28132000	28	14.0	21.0	25.0	103	PPS103K(J)C24101600	23	11.0	17.0	20.0	822	PPS822K(J)D24081500	23	8.5	16.0	20.0			
183	PPS183K(J)B24132000	23	13.0	20.0	20.0	103	PPS103K(J)C29071400	28	7.5	14.5	25.0	822	PPS822K(J)D29101700	28	10.0	17.0	25.0			
183	PPS183K(J)B29101700	28	10.0	17.0	25.0	123	PPS123K(J)C24111700	23	11.5	17.5	20.0	912	PPS912K(J)D24091600	23	10.0	17.0	20.0			
223	PPS223K(J)B2414210	23	14.5	21.5	20.0	123	PPS123K(J)C29111800	28	11.0	18.0	25.0	912	PPS912K(J)D29101700	28	11.0	18.0	25.0			
223	PPS223K(J)B2911180	28	11.5	18.5	25.0	153	PPS153K(J)C24121900	23	12.0	19.0	20.0	103	PPS103K(J)D24101600	23	11.0	16.5	20.0			
333	PPS333K(J)B2914200	28	14.0	21.0	25.0	153	PPS153K(J)C29081700	28	9.0	17.0	25.0	103	PPS103K(J)D29071400	28	8.0	14.5	25.0			
393	PPS393K(J)B2915220	28	15.0	22.0	25.0	183	PPS183K(J)C24122100	23	13.0	21.0	20.0	123	PPS123K(J)D24111600	23	11.0	16.0	20.0			
473	PPS473K(J)B2412190	23	13.0	19.5	20.0	183	PPS183K(J)C29101700	28	10.0	18.0	25.0	123	PPS123K(J)D29111800	28	11.5	18.0	25.0			
473	PPS473K(J)B2913210	28	13.0	21.0	25.0	223	PPS223K(J)C24142100	23	14.5	21.0	20.0	153	PPS153K(J)D24121900	23	12.5	19.5	20.0			
563	PPS563K(J)B2413200	23	13.0	21.0	20.0	223	PPS223K(J)C29111800	28	11.0	19.0	25.0	153	PPS153K(J)D29121900	28	13.0	19.5	25.0			
563	PPS563K(J)B2915210	28	15.0	22.0	25.0	273	PPS273K(J)C24132000	23	13.0	20.0	20.0	183	PPS183K(J)D24132000	23	13.5	21.0	20.0			
683	PPS683K(J)B2911180	28	12.0	19.0	25.0	273	PPS273K(J)C29121900	28	12.5	19.0	25.0	183	PPS183K(J)D29142000	28	14.0	21.0	25.0			
683	PPS683K(J)B2916230	28	17.0	24.0	25.0	333	PPS333K(J)C29142000	28	14.0	20.5	25.0	223	PPS223K(J)D24142100	23	14.5	21.5	20.0			
823	PPS823K(J)B2913190	28	13.0	19.5	25.0	333	PPS333K(J)C35172500	34	17.5	25.5	31.0	223	PPS223K(J)D29142300	28	15.0	23.0	25.0			
823	PPS823K(J)B2811170	34	11.0	17.5	31.0	393	PPS393K(J)C29142200	28	17.0	24.0	25.0	273	PPS273K(J)D29162400	28	16.0	25.0	25.0			
104	PPS104K(J)B2911180	28	11.0	19.0	25.0	393	PPS393K(J)C35121800	34	12.0	19.0	31.0	273	PPS273K(J)D35112000	34	12.0	21.0	31.0			
104	PPS104K(J)B3516240	34	16.0	24.0	31.0	473	PPS473K(J)C29132000	28	13.5	20.5	25.0	333	PPS333K(J)D29182800	28	18.0	28.0	25.0			
124	PPS124K(J)B2914230	28	15.0	23.5	25.0	473	PPS473K(J)C35132000	34	13.0	20.0	31.0	333	PPS333K(J)D35132100	34	13.0	21.5	31.0			
124	PPS124K(J)B3512200	34	12.5	21.0	31.0	563	PPS563K(J)C29142200	28	14.0	22.5	25.0	473	PPS473K(J)D29152400	28	16.0	26.0	25.0			
154	PPS154K(J)B3514220	34	14.0	22.0	31.0	563	PPS563K(J)C35132200	34	14.0	22.0	31.0	473	PPS473K(J)D35172500	34	17.0	25.0	31.0			
184	PPS184K(J)B3515230	34	15.0	23.5	31.0	683	PPS683K(J)C29132100	28	14.0	22.0	25.0	563	PPS563K(J)D35172500	34	17.0	25.0	31.0			
204	PPS204K(J)B3517230	34	17.5	23.5	31.0	683	PPS683K(J)C35152300	34	15.0	23.5	31.0	683	PPS683K(J)D35192700	34	19.0	27.0	31.0			
224	PPS224K(J)B3518230	34	18.5	24.0	31.0	823	PPS823K(J)C29142300	28	15.0	24.0	25.0	823	PPS823K(J)D35182700	34	18.0	27.0	31.0			
						823	PPS823K(J)C35162500	34	16.5	25.5	31.0	104	PPS104K(J)D35202900	34	20.0	29.0	31.0			
						104	PPS104K(J)C29142100	28	14.0	21.0	25.0									
						104	PPS104K(J)C35111900													