

CBB21B (MPB) Metallized Polypropylene Film Capacitors-Box

RoHS COMPLIANT



Reference Standard

GB10190 (IEC384-16)

Structures

Material: Polypropylene film
 Electrode: Metallized Vacuum Evaporated Layer
 (With complexing jumbo-size Zinc and Aluminum)
 Case: PBT Fire-proof plastic box
 Encapsulation: Fire-proof Epoxy Resin.
 Pin: .CP Leads

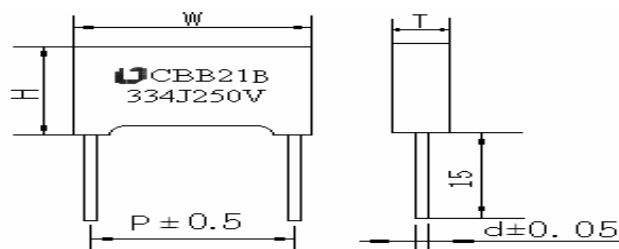
Using area

High Frequency, DC , AC and Impulsion. High Current Conditions e.g. Lampsand Lanterns, Surveillance Equipments, Power Supply etc. Could be used in all the CBB21 compliant Conditions.

Features:

Small Size with good self-healing effect. Very low loss at high frequency could bear the high currents' impactive. Have well voltage proof features under the high frequency AC current.

Outline Drawings

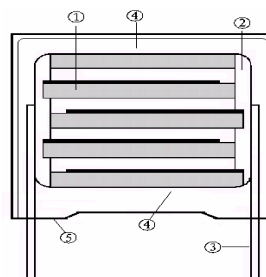


Pitch mm	10	15	22.5	27.5	31.5	41.5
The Diameter of the Pins mm	0.6	0.6/0.8	0.8	0.8	0.8	1.0
PVC Flexible Wires	/	22#	20#; 22#; 18#			

Specifications

Climate Conditions	-40--+85°C/110°C						
Rated Voltage dc	100V、250V、400V、630V、1000V						
Cap. Range	0.0010μF-4.7μF						
Cap. Tolerance	(±5%) (±10%)						
Testing Voltage	1.6UR (5S)						
Insulation Resistance and Time Consistence	≤0.33μF	≥25000MΩ					
	>0.33μF	≥7500S (MΩ.μF)					
Dissipation Factor	Tgθ≤0.001		1KHz 20°C				
Climate Category	Temperature: 40±2°C Humidity: 93%RH Lasting Time: 21Days There is no visible damage with the clearly mark. Capacitance: ΔC/C≤5% Dissipation Factor (1KHz): Increasing≤0.002 Insulation Resistance IR IR: ≥ 50% of Rated						
Endurance Test	+85°C/110°C, 1000h Applying Voltage: 1.25*Rate Voltage Capacitance: ΔC/C≤5% IR Insulation Resistance IR: ≥ 50% of Rated						
dv/dt (v/μs)	Pitch	10	15	22.5	27.5	31.5	41.5
	dv/dt	400	200	150	100	100	100

Structure



Explanations:

- ①Metallized Polypropylene Film
- ②Mental Spring Layer
- ③CP Leads
- ④Epoxide Resin
- ⑤PBT Plastic Box
- ⑥RoHS Compliant

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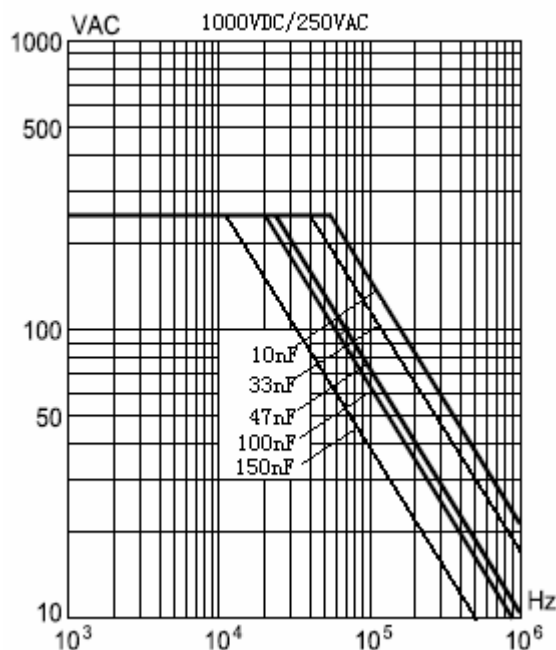
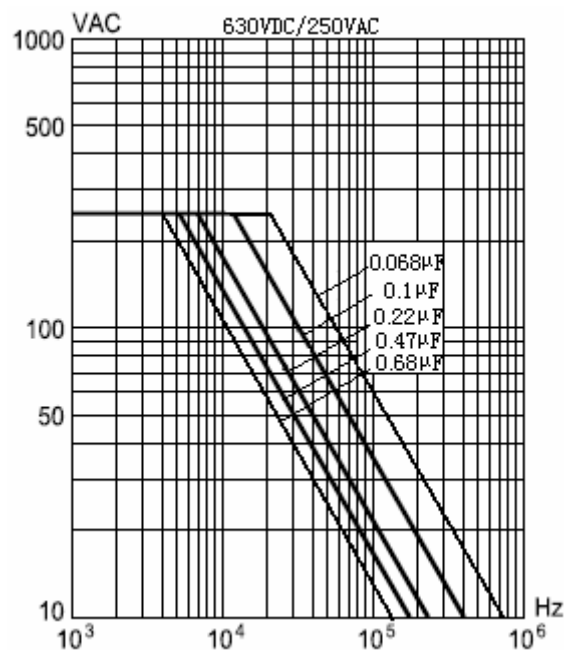
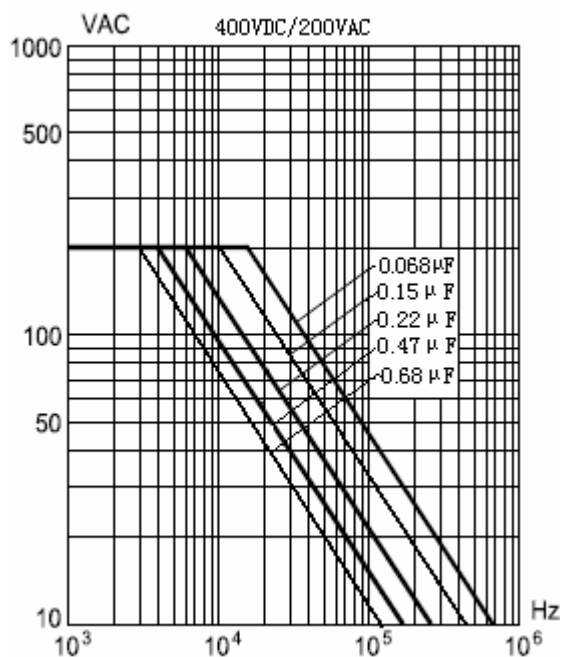
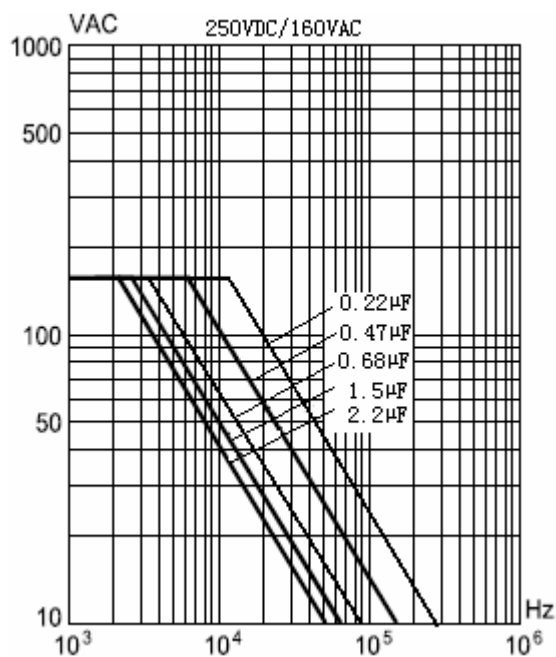
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■The exchanging of AC and DC

DC	100VDC	250VDC	400VDC	630VDC	1000VDC
AC	63VAC	160VAC	200VAC	250VAC	250VAC

■The Relationship of AC Voltage Proof and Frequency



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Cap.	Part No.	Dimensions (mm)			Pitch (mm)
		W±1.0	T ±1.0	H±1.0	
250VDC					
102	MPB102K(J)2C1G0	12	4	9	10
122	MPB122K(J)2C1G0	12	4	9	10
152	MPB152K(J)2C1G0	12	4	9	10
182	MPB182K(J)2C1G0	12	4	9	10
222	MPB222K(J)2C1G0	12	4	9	10
272	MPB272K(J)2C1G0	12	4	9	10
332	MPB332K(J)2C1G0	12	4	9	10
392	MPB392K(J)2C1G0	12	4	9	10
472	MPB472K(J)2C1G0	12	4	9	10
562	MPB562K(J)2C1G0	12	4	9	10
682	MPB682K(J)2C1G0	12	4	9	10
822	MPB822K(J)2C1G0	12	4	9	10
103	MPB103K(J)2C1G0	12	4	9	10
103	MPB103K(J)2D1G0	18	5	11	15
123	MPB123K(J)2C1G0	12	4	9	10
123	MPB123K(J)2D1G0	18	5	11	15
153	MPB153K(J)2C1G0	12	4	9	10
153	MPB153K(J)2D1G0	18	5	11	15
183	MPB183K(J)2C1G0	12	4	9	10
183	MPB183K(J)2D1G0	18	5	11	15
223	MPB223K(J)2C1G0	12	4	9	10
223	MPB223K(J)2D1G0	18	5	11	15
273	MPB273K(J)2C2G0	13	5	11	10
273	MPB273K(J)2D1G0	18	5	11	15
333	MPB333K(J)2C2G0	13	5	11	10
333	MPB333K(J)2D1G0	18	5	11	15
393	MPB393K(J)2C2G0	13	5	11	10
393	MPB393K(J)2D1G0	18	5	11	15
473	MPB473K(J)2C3G0	13	6	12	10
473	MPB473K(J)2D1G0	18	5	11	15
563	MPB563K(J)2C3G0	13	6	12	10
563	MPB563K(J)2D1G0	18	5	11	15
683	MPB683K(J)2C3G0	13	6	12	10
683	MPB683K(J)2D1G0	18	5	11	15
823	MPB823K(J)2C3G0	13	6	12	10
823	MPB823K(J)2D1G0	18	5	11	15
104	MPB104K(J)2C3G0	13	6	12	10
104	MPB104K(J)3D1G0	18	5	11	15
124	MPB124K(J)2C3G0	13	6	12	10
154	MPB154K(J)2C3G0	13	6	12	10
184	MPB184K(J)2D2G0	18	6	12	15
224	MPB224K(J)2D2G0	18	6	12	15
274	MPB274K(J)2D3G0	18	7.5	13.5	15
334	MPB334K(J)2D3G0	18	7.5	13.5	15
394	MPB394K(J)2D4G0	18	8.4	14.5	15
474	MPB474K(J)2D4G0	18	8.4	14.5	15
564	MPB564K(J)2D5G0	18	10	15.8	15
684	MPB684K(J)2D7G0	18	10.8	19	15
824	MPB824K(J)2D7G0	18	10.8	19	15
105	MPB105K(J)2F3G0	26.5	8.5	17	22.5

Cap.	Part No.	Dimensions (mm)			Pitch (mm)
		W±1.0	T ±1.0	H±1.0	
400VDC					
102	MPB102K(J)4C1G0	12	4	9	10
122	MPB122K(J)4C1G0	12	4	9	10
152	MPB152K(J)4C1G0	12	4	9	10
182	MPB182K(J)4C1G0	12	4	9	10
222	MPB222K(J)4C1G0	12	4	9	10
272	MPB272K(J)4C1G0	12	4	9	10
332	MPB332K(J)4C1G0	12	4	9	10
392	MPB392K(J)4C1G0	12	4	9	10
472	MPB472K(J)4C1G0	12	4	9	10
562	MPB562K(J)4C1G0	12	4	9	10
682	MPB682K(J)4C1G0	12	4	9	10
822	MPB822K(J)4C1G0	12	4	9	10
103	MPB103K(J)4C1G0	12	4	9	10
103	MPB103K(J)4D1G0	18	5	11	15
153	MPB153K(J)4C1G0	12	4	9	10
153	MPB153K(J)4D1G0	18	5	11	15
183	MPB183K(J)4C1G0	12	4	9	10
183	MPB183K(J)4D1G0	18	5	11	15
223	MPB223K(J)4C1G0	12	4	9	10
223	MPB223K(J)4D1G0	18	5	11	15
333	MPB333K(J)4C2G0	13	5	11	10
333	MPB333K(J)4D1G0	18	5	11	15
393	MPB393K(J)4C2G0	13	5	11	10
393	MPB393K(J)4D1G0	18	5	11	15
473	MPB473K(J)4C3G0	13	6	12	10
473	MPB473K(J)4D1G0	18	5	11	15
563	MPB563K(J)4C3G0	13	6	12	10
563	MPB563K(J)4D1G0	18	5	11	15
683	MPB683K(J)4C3G0	13	6	12	10
683	MPB683K(J)4D1G0	18	5	11	15
823	MPB823K(J)4C3G0	13	6	12	10
823	MPB823K(J)4D1G0	18	5	11	15
104	MPB104K(J)4D1G0	18	5	11	15
124	MPB124K(J)4D1G0	18	5	11	15
154	MPB154K(J)4D2G0	18	6	12	15
184	MPB184K(J)4D2G0	18	6	12	15
184	MPB184K(J)4E1G0	26.5	6	15	22.5
224	MPB224K(J)4D3G0	18	7.5	13.5	15
224	MPB224K(J)4E2G0	26.5	7	16.5	22.5
274	MPB274K(J)4D3G0	18	7.5	13.5	15
274	MPB274K(J)4E2G0	26.5	7	16.5	22.5
334	MPB334K(J)4D4G0	18	8.4	14.5	15
334	MPB334K(J)4E3G0	26.5	8.5	17	22.5
394	MPB394K(J)4D5G0	18	9.5	15.5	15
394	MPB394K(J)4E4G0	26.5	10	19	22.5
474	MPB474K(J)4DAG0	18	10	15.8	15
474	MPB474K(J)4E4G0	26.5	10	19	22.5
564	MPB564K(J)4E3G0	26.5	8.5	17	22.5
684	MPB684K(J)4E4G0	26.5	10	19	22.5
824	MPB824K(J)4F4G0	26.5	10	19	22.5



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Cap.	Part No.	Dimensions (mm)			Pitch (mm)
		W±1.0	T ±1.0	H±1.0	
250VDC					
185	MPB185K(J)2E6G0	26.5	12	21.5	22.5
205	MPB205K(J)2E7G0	26.5	13	23	22.5
225	MPB225K(J)2E7G0	26.5	13	23	22.5
275	MPB275K(J)2F2G0	31.5	13	21.5	27.5
305	MPB305K(J)2F2G0	31.5	13	21.5	27.5
335	MPB335K(J)2F3G0	31.5	14	25	27.5
405	MPB405K(J)2TAG0	38	14	23	31.5
475	MPB475K(J)2FAG0	36.5	15.4	26.3	31.5
630VDC					
102	MPB102K(J)6C1G0	12	4	9	10
122	MPB122K(J)6C1G0	12	4	9	10
152	MPB152K(J)6C1G0	12	4	9	10
182	MPB182K(J)6C1G0	12	4	9	10
222	MPB222K(J)6C1G0	12	4	9	10
272	MPB272K(J)6C1G0	12	4	9	10
332	MPB332K(J)6C1G0	12	4	9	10
392	MPB392K(J)6C1G0	12	4	9	10
472	MPB472K(J)6C1G0	12	4	9	10
562	MPB562K(J)6C1G0	12	4	9	10
682	MPB682K(J)6C2G0	12	4	9	10
822	MPB822K(J)6C1G0	12	4	9	10
103	MPB103K(J)6C1G0	12	4	9	10
103	MPB103K(J)6D1G0	18	5	11	15
153	MPB153K(J)6C1G0	12	4	9	10
153	MPB153K(J)6D1G0	18	5	11	15
183	MPB183K(J)6C1G0	12	4	9	10
183	MPB183K(J)6D1G0	18	5	11	15
223	MPB223K(J)6C1G0	12	4	9	10
223	MPB223K(J)6D1G0	18	5	11	15
333	MPB333K(J)6C2G0	13	5	11	10
333	MPB333K(J)6D1G0	18	5	11	15
824	MPB824K(J)6E6G0	26.5	12	21.5	22.5
824	MPB824K(J)6F1G0	31.5	10.8	19.5	27.5
105	MPB105K(J)6F2G0	31.5	13	21.5	27.5
125	MPB125K(J)6F2G0	31.5	13	21.5	27.5
155	MPB155K(J)6F4G0	32	16	25.5	27.5
205	MPB205K(J)6F7G0	32	18	28	27.5
225	MPB225K(J)6F7G0	32	18	28	27.5
275	MPB275K(J)6F8G0	32	22	31	27.5
305	MPB305K(J)6T8G0	38.8	21.7	31.3	31.5
335	MPB335K(J)6T8G0	38.8	21.7	31.3	31.5
405	MPB405K(J)6TEG0	50	22.2	32	41.5
475	MPB475K(J)6TEG0	50	22.2	32	41.5

Cap.	Part No.	Dimensions (mm)			Pitch (mm)
		W±1.0	T ±1.0	H±1.0	
400VDC					
125	MPB125K(J)4E6G0	26.5	11	20	22.5
125	MPB125K(J)4F2G0	31	13	21.5	27.5
155	MPB155K(J)4E7G0	26.5	11	20	22.5
125	MPB125K(J)4F2G0	31	13	21.5	27.5
205	MPB205K(J)4F2G0	31	13	21.5	27.5
205	MPB205K(J)4F3G0	31	14	25	27.5
275	MPB275K(J)4TAG0	38	14	23	31.5
335	MPB335K(J)4TBG0	38	18	28	31.5
405	MPB405K(J)4TCOG0	38	20	30	31.5
475	MPB475K(J)4TCOG0	38	20	30	31.5
1000VDC					
102	MPB102K(J)BC1G0	12	4	9	10
122	MPB122K(J)BC1G0	12	4	9	10
152	MPB152K(J)BC1G0	12	4	9	10
182	MPB182K(J)BC1G0	12	4	9	10
222	MPB222K(J)BC1G0	12	4	9	10
272	MPB272K(J)BC1G0	12	4	9	10
332	MPB332K(J)BC1G0	12	4	9	10
392	MPB392K(J)BC1G0	12	4	9	10
472	MPB472K(J)BC1G0	12	4	9	10
562	MPB562K(J)BC1G0	12	4	9	10
682	MPB682K(J)BC1G0	12	4	9	10
822	MPB822K(J)BC1G0	12	4	9	10
103	MPB103K(J)BC1G0	12	4	9	10
103	MPB103K(J)BD1G0	18	5	11	15
153	MPB153K(J)BD1G0	18	5	11	15
183	MPB183K(J)BD1G0	18	5	11	15
223	MPB223K(J)BD1G0	18	5	11	15
473	MPB473K(J)BD2G0	18	6	12	15
563	MPB563K(J)BD3G0	18	7.5	13.5	15
683	MPB683K(J)BD3G0	18	7.5	13.5	15
823	MPB823K(J)BD4G0	18	8.4	14.5	15
104	MPB104K(J)BD5G0	18	10	15.8	15