Metallized Polypropylene Film Capacitor

Type: **MPF (CBB22)**

Non-inductive construction using Metallized
Polypropylene film with epoxy coating.
** Flame retardant as request by red epoxy resin seal.

- **Features**

* Low DF and high IR. and high IR
* Excellent frequency, temperature characteristics.

- **Applications**

* General resonance circuit.
* High frequency circuit.
* TV horizontal deflection (S correction)
* Active filtering, timing and oscillator circuits

- **Explanation of Part Numbers**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
C	**B**	**B**	**2**	**2**												

Type — Rated volt. — Capacitance — Cap.Tol. — Pitch — Colour — Code

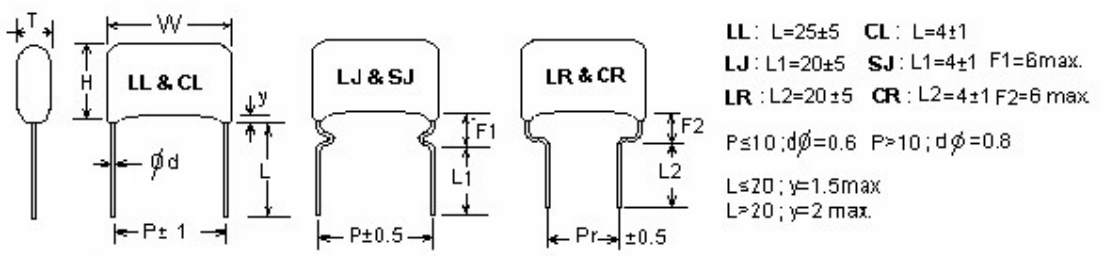
J	± 5%
K	± 10%
M	± 20%

B	Blue
R	Red(flame retardant)

- Specifications (IEC384- 16 GB10190- 88)

Category temp. range	- 40°C ~ +100°C						
Rated voltage	250VDC, 400VDC, 630VDC, 1000VDC						
Capacitance range	0.001 ~ 10μF (at: 20°C, 1KHZ)						
Capacitance tolerance	J (± 5%), K (±10%), M(±20%)						
Dissipation factor	C_R≤1μF: 0.3% max (20°C /10KHZ) C_R>1μF: 0.1% max (20°C /1KHZ)						
Withstand voltage	1.7 V_R 2s						
Maximum pulse slope at V_R	U_R	250V	400V	630V	1000V	dV/dt	
	P=7.5,10	92	145	230	340	V/μs	
	P=15	40	64	100	150	V/μs	
	P=22.5	20	32	50	75	V/μs	
	P=27.5	12	20	31	46	V/μs	
Insulation resistance	250VDC, 400VDC:		C_R≤0.33μF 50000MΩ min C_R>0.33μF 15000 s min			(20°C/100VDC/60s)	
	630VDC, 1000VDC:		C_R≤0.33μF 50000MΩ min C_R>0.33μF 15000 s min			(20°C/100VDC/60s)	

- **Form:**



- **Dimensions: …… MPF (CBB22)**

Cap.	Cap. Code	250V			400V			630V			1000V		
		W	H	T	W	H	T	W	H	T	W	H	T
1nF	102	W	11	13	18	26	31				11	7.0	4.5
1.5nF	152	P	7.5	10	15	22.5	27.5				11	7.0	4.5
2.2nF	222	dϕ	0.6	0.6	0.8	0.8	0.8				11	7.0	4.5
3.3nF	332										11	7.5	4.5
4.7nF	472										11	7.5	4.5
4.7nF	472										13	9.0	4.5
6.8nF	682										13	9.5	5.0
10nF	103										13	10.0	5.5
15nF	153							13	8.5	4.5	13	10.5	6.0
15nF	153										18	10.5	6.5
22nF	223				11	8.0	4.5	11	9.5	5.5	13	12	7
22nF	223							13	9.0	5.0	18	13	7.0
33nF	333	11	8.0	4.5	11	8.0	5.0	13	10.5	5.5	18	12.5	6.5
33nF	333				13	8.5	4.5				26	12.0	6.5
47nF	473	11	8.5	5.0	11	9.0	6.0	13	11.5	6.5	18	13.5	7.0
47nF	473	13	8.5	4.5	13	9.5	5.5	18	9.5	5.0	26	14.5	6.8
68nF	683	13	9.5	4.5	13	10.5	6.0	18	10.5	5.5	26	15.5	7.5
0.1μF	104	13	10.0	6.0	13	12.0	7.0	18	12.5	6.0	26	17.0	9.0
0.1μF	104	18	9.5	4.5	18	10.0	6.0						
0.15μF	154	13	11.5	6.5	18	11.0	6.0	18	13.5	7.0	26	18.0	9.0
0.15μF	154	18	10.0	5.5							31	19.5	9.5
0.22μF	224	18	11.0	6.0	18	12.0	7.5	26	15.0	7.0	26	21.0	11.0
0.22μF	224				26	11.0	6.5				31	21.0	11.5
0.33μF	334	18	13.5	7.0	18	14.5	8.0	26	16.5	8.5	31	24.0	12.0
0.33μF	334	26	12.5	6.0	26	13.5	7.0						
0.47μF	474	18	14.5	8.0	18	16.0	10.0	26	20.0	9.5	31	25.5	15.0
0.47μF	474	26	14.0	7.0	26	15.0	8.0	31	19.0	8.5			
0.68μF	684	18	16.0	10.0	26	17.5	9.0	26	21.5	11.5			
0.68μF	684	26	15.0	8.0				31	20.5	10.5			
1μF	105	26	17.5	9.0	26	19.5	11.0	26	23.0	12.5			
1μF	105	31	17.0	8.5	31	19.0	10.0	31	22.0	11.5			
1.5μF	155	26	20.0	11.5	31	22.0	11.5	31	26.0	15.5			
2.2μF	225	31	22.5	11.5	31	24.0	13.0						
3.3μF	335	31	25.5	14.5	31	28.5	17.5						
4.7μF	475	31	25.5	17.0									

Inquiry for capacitance/dimension not listed, please contact with us.