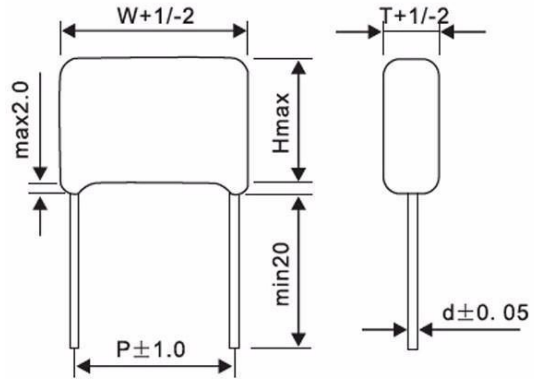




# MPR Series (CBB21)



### ■ 特性 Features

金属化聚丙烯膜，无感卷绕结构；  
良好的电性能、高频损耗小、内部温升小  
阻燃环氧粉末包装 (UL94/V0)

Metallized polypropylene film, non-inductive wound construction;

Excellent electrical performance, low dissipation at high frequency, Small inherent temperature rise;

Flame retardant epoxy resin coated (UL94/V0)

### ■ 应用 APPLICATION

用于高频、直流、交流和脉冲电路中；

用于各种高频、大电流场合；

用于开关电源、电子镇流器和变频器等中间电路直流滤波

Used in high frequency, DC, AC and pulse circuits; Used in situation where high frequency and high current apply;

Used as intermediate circuits capacitor for SMPS, electronic ballast, converters

### ■ 性能参数 Technical data

项目 Item	性能 Performance Characteristics	
使用温度范围 Operating Temperature range	-40 +105°C	
贮存温度范围 Storage Temperature range	-40 +105°C	
额定电压 Rated Voltage Range	100V~1000V.DC	
额定容量 Rated Capacity	0.001~21 μ F	
静电容量范围 Capacitance Tolerance	± 5% ( J ) / ±10% ( K )	
介质损耗 ( tanδ ) Dissipation Factor ( tan δ )	≤0.0015 at 20°C, 1K Hz	
耐电压 Voltage Proof	极间 V <sub>tt</sub>	1.5U <sub>n</sub> (10S,20°C ±5°C)
	极壳 V <sub>t-c</sub>	---
杂散电感 ESL	≤30nH	
绝缘电阻 IR	≥5000s at 100VDC/60S	
耐久性试验 Endurance	测试条件: 温度 85°C ±3°C; 施加额定电压U <sub>n</sub> ; 试验时间 1000h.	
	静电容量变化 Capacitance change	ΔC/C <sub>0</sub>   ≤10%
损耗角正切 D. F. (Tan δ)	Δtanδ ≤1.2tanδ+0.0001	
预期寿命 Life	100000h (可参考寿命曲线图)	



# MPR Series (CBB21)

100/250V (63/1600VAC)					
CN $\mu$ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.01	9.5	7.1	3.5	7.5	
0.012	9.5	7.4	3.8	7.5	
0.015	9.5	7.3	3.7	7.5	
0.018	9.5	7.5	3.9	7.5	
0.022	9.5	7.9	4.3	7.5	
0.027	9.5	7.1	3.3	7.5	
0.033	9.5	7.3	3.7	7.5	
0.039	9.5	7.6	4.0	7.5	
0.047	9.5	7.9	4.3	7.5	
0.056	12	7.6	4.0	10	
0.068	12	7.9	4.3	10	
0.082	12	8.3	4.7	10	
0.1	12	7.8	4.2	10	
0.12	12	8.1	4.5	10	
0.15	12	8.3	4.7	10	
0.18	12	8.7	5.1	10	
0.22	12	9.2	5.6	10	
0.27	17	10.0	4.8	15	
0.33	17	10.5	5.3	15	
0.39	17	10.9	5.7	15	
0.47	17	11.3	6.1	15	
0.56	17	11.9	6.7	15	
0.68	17	13.0	7.3	15	
0.82	17	13.7	8.0	15	
1	17	14.5	8.8	15	
1.2	24	13.8	7.0	22.5	
1.5	24	14.6	7.8	22.5	
1.8	24	15.4	8.6	22.5	
2.2	24	17.8	9.4	22.5	
2.7	24	18.8	10.4	22.5	
3.3	24	20.0	11.6	22.5	

450V					
CN $\mu$ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.047	12	7.2	3.6	10	
0.056	12	7.4	3.8	10	
0.068	12	8.3	3.9	10	
0.082	12	8.6	4.2	10	
0.1	12	9.2	4.8	10	
0.12	12	9.8	4.6	10	
0.15	12	10.5	5.3	10	
0.18	12	11.1	5.9	10	
0.15	17	9.0	4.6	15	
0.18	17	9.9	4.7	15	
0.22	17	10.3	5.1	15	
0.27	17	10.7	5.5	15	
0.33	17	11.3	6.1	15	
0.39	17	11.8	6.6	15	
0.47	17	13.2	6.4	15	
0.56	17	14.4	7.6	15	
0.68	17	15.2	8.4	15	
0.82	17	16.0	9.2	15	
1	17	17.0	10.2	15	
1.2	17	18.0	11.2	15	
0.27	24	9.7	4.5	22.5	
0.33	24	10.1	4.9	22.5	
0.39	24	10.4	5.2	22.5	
0.47	24	10.9	5.7	22.5	
0.56	24	12.9	6.1	22.5	
0.68	24	13.4	6.6	22.5	
0.82	24	15.1	6.7	22.5	
1	24	15.9	7.5	22.5	
1.2	24	16.6	8.2	22.5	
1.5	24	17.6	9.2	22.5	
1.8	24	18.5	10.1	22.5	
2.2	24	19.6	11.2	22.5	
2.7	24	20.8	12.4	22.5	
0.68	29	12.5	5.7	27.5	
0.82	29	13.1	6.3	27.5	
1	29	14.2	7.4	27.5	
1.2	29	15.7	7.3	27.5	
1.5	29	16.6	8.2	27.5	
1.8	29	17.3	8.9	27.5	
2.2	29	19.2	9.3	27.5	
2.7	29	22.5	9.4	27.5	
3.3	29	23.6	10.5	27.5	
3.9	29	24.6	11.5	27.5	
4.7	29	25.9	12.8	27.5	



5.6	29	27.3	14.2	27.5	
6.8	29	29.0	15.9	27.5	
8.2	29	30.8	17.7	27.5	
10	29	32.9	19.8	27.5	

## MPR Series (CBB21)

520V					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.039	12	7.2	3.6	10	
0.047	12	7.5	3.9	10	
0.056	12	8.3	3.9	10	
0.068	12	8.6	4.2	10	
0.082	12	9.0	4.6	10	
0.1	12	10.2	5.0	10	
0.12	12	10.6	5.4	10	
0.15	12	11.2	6.0	10	
0.18	12	11.7	6.5	10	
0.1	17	8.7	4.3	15	
0.12	17	9.0	4.6	15	
0.15	17	9.4	5.0	15	
0.18	17	9.8	5.4	15	
0.22	17	10.3	5.9	15	
0.27	17	11.3	6.1	15	
0.33	17	11.9	6.7	15	
0.39	17	13.9	7.1	15	
0.47	17	14.6	7.8	15	
0.56	17	15.3	8.5	15	
0.68	17	16.1	9.3	15	
0.82	17	17.0	10.2	15	
1	17	18.2	11.4	15	
0.33	24	10.6	5.4	22.5	
0.39	24	11.0	5.8	22.5	
0.47	24	13.0	6.2	22.5	
0.56	24	13.5	6.7	22.5	
0.68	24	15.2	6.8	22.5	
0.82	24	15.9	7.5	22.5	
1	24	16.8	8.4	22.5	
1.2	24	17.6	9.2	22.5	
1.5	24	19.6	9.7	22.5	
1.8	21	20.6	10.7	22.5	
2.2	24	21.8	11.9	22.5	
0.47	29	10.9	5.7	27.5	
0.56	29	11.3	6.1	27.5	
0.68	29	11.9	6.7	27.5	
0.82	29	12.9	7.7	27.5	
1	29	13.8	8.6	27.5	
1.2	29	15.5	8.7	27.5	
1.5	29	16.5	9.7	27.5	
1.8	29	18.4	10.0	27.5	
2.2	29	20.4	10.5	27.5	

2.7	29	23.7	10.6	27.5	
3.3	29	25.0	11.9	27.5	
3.9	29	26.2	13.1	27.5	
4.7	29	27.6	14.5	27.5	
5.6	29	29.2	16.1	27.5	
6.8	29	31.0	17.9	27.5	
8.2	29	33.1	20.0	27.5	
630V					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.027	12	7.3	3.7	10	
0.033	12	7.6	4.0	10	
0.039	12	8.4	4.0	10	
0.047	12	8.7	4.3	10	
0.056	12	9.0	4.6	10	
0.068	12	10.0	4.8	10	
0.082	12	10.4	5.2	10	
0.1	12	11.2	6.0	10	
0.12	12	11.7	6.5	10	
0.15	12	12.5	7.3	10	
0.068	17	9.2	4.0	15	
0.082	17	9.5	4.3	15	
0.1	17	10.0	4.8	15	
0.12	17	10.3	5.1	15	
0.15	17	10.8	5.6	15	
0.18	17	11.3	6.1	15	
0.22	17	13.3	6.5	15	
0.27	17	13.9	7.1	15	
0.33	17	14.6	7.8	15	
0.39	17	15.3	8.5	15	
0.47	17	16.1	9.3	15	
0.56	17	16.9	10.1	15	
0.68	17	18.0	11.2	15	
0.82	17	20.1	11.7	15	
1	17	21.5	13.1	15	
0.22	24	10.6	5.4	22.5	
0.27	24	11.1	5.9	22.5	
0.33	24	11.6	6.4	22.5	
0.39	24	13.5	6.7	22.5	
0.47	24	14.1	7.3	22.5	
0.56	24	16.2	7.1	22.5	
0.68	24	16.6	8.2	22.5	
0.82	24	17.9	9.5	22.5	
1	24	18.5	10.1	22.5	
1.2	24	19.5	11.1	22.5	
1.5	24	21.8	11.9	22.5	
1.8	21	23.0	13.1	22.5	



2.2	24	24.5	14.6	22.5	
0.27	29	10.5	5.3	27.5	
0.33	29	11.0	5.8	27.5	
0.39	29	11.4	6.2	27.5	
0.47	29	12.0	6.8	27.5	
0.56	29	13.0	7.8	27.5	

## MPR Series (CBB21)

0.68	29	14.7	7.9	27.5	
0.82	29	15.3	8.6	27.5	
1	29	17.6	9.2	27.5	
1.2	29	19.2	9.3	27.5	
1.5	29	20.4	10.5	27.5	
1.8	29	23.5	10.4	27.5	
2.2	29	24.8	11.7	27.5	
2.7	29	26.2	13.1	27.5	
3.3	29	27.8	14.7	27.5	
3.9	29	29.3	16.2	27.5	
4.7	29	31.1	18.0	27.5	
5.6	29	32.9	19.8	27.5	

### 630V(220VAC)

CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.001	9.8	7.4	3.8	7.5	
0.0012	9.8	7.6	4.0	7.5	
0.0015	9.8	7.5	3.9	7.5	
0.0018	9.8	7.3	3.7	7.5	
0.0022	9.8	7.6	4.0	7.5	
0.0027	9.8	7.6	4.0	7.5	
0.0033	9.8	7.9	4.3	7.5	
0.0039	9.8	7.6	4.0	7.5	
0.0047	9.8	8.0	4.4	7.5	
0.0056	9.8	8.3	4.7	7.5	
0.0068	12	7.5	3.9	10	
0.0082	12	7.8	4.2	10	
0.01	12	7.2	3.6	10	
0.012	12	7.5	3.9	10	
0.015	12	7.8	4.2	10	
0.018	12	8.0	4.4	10	
0.022	12	8.4	4.8	10	
0.027	12	8.8	5.2	10	
0.033	12	9.3	5.7	10	
0.039	12	9.8	6.2	10	

0.047	17	10.3	5.1	15	
0.056	17	10.7	5.5	15	
0.068	17	11.2	6.0	15	
0.082	17	11.7	6.5	15	
0.1	17	12.3	7.1	15	
0.12	17	12.9	7.7	15	
0.15	17	13.7	8.5	15	
0.18	17	14.5	9.3	15	
0.22	24	14.2	7.4	22.5	
0.27	24	15.5	8.7	22.5	
0.33	24	16.3	9.5	22.5	
0.39	24	17.1	10.3	22.5	
0.47	24	18.1	11.3	22.5	
0.56	24	19.1	12.3	22.5	

### 1000/1250V (400VAC)

CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.001	10	7.4	3.8	7.5	
0.0012	10	7.6	4.0	7.5	
0.0015	10	7.5	3.9	7.5	
0.0018	10	7.3	3.7	7.5	
0.0022	10	7.6	4.0	7.5	
0.0027	10	7.3	3.7	7.5	
0.0033	10	7.6	4.0	7.5	
0.0039	10	7.9	4.3	7.5	
0.0047	10	7.8	4.2	7.5	
0.0056	10	8.1	4.5	7.5	
0.0068	12	8.3	4.7	10	
0.0082	12	8.7	5.1	10	
0.01	12	9.4	5.8	10	