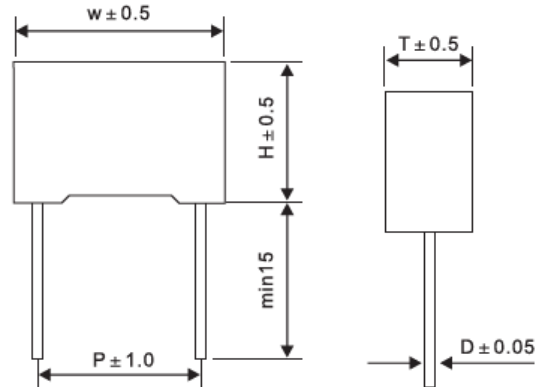


MPB Series



■ 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
- 阻燃塑料外壳和阻燃环氧封装（UL94/V0）
- Metallized polypropylene film, non-inductive wound construction;
- Excellent electrical performance, low dissipation at high frequency, Small inherent temperature rise;
- Flame retardant plastic case and epoxy resin sealing (UL94/V0)

■ 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；
- 用于电视机、显示器矫正电路；
- 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 in S-correction circuits for TV set and monitors;
- Used as intermediate circuits capacitor for SMPS, electronic ballast, converter.

■ 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	160V~2000V.DC	
额定容量 Rated Capacity	0.001~15 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 _{t-t}	1.5U _n (10S, 20°C ± 5°C)
	极壳 V _{t-c}	---
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 _n ; 试验时间 1000h.	
	静电容量变化 Capacitance change	Δ C/C ₀ ≤ 10%
	损耗角正切 D. F. (Tan δ)	Δ tan δ ≤ 1.2tan δ + 0.0001
预期寿命 Life	100000h (可参考寿命曲线图)	



MPB Series

160V (90VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.027	7.2	7.5	3.5	5	
0.033	7.2	7.5	3.5	5	
0.039	7.2	7.5	3.5	5	
0.047	7.2	9.5	4.5	5	
0.056	7.2	9.5	4.5	5	
0.068	7.2	9.5	4.5	5	
0.082	7.2	10	5	5	
0.1	7.2	10	5	5	
0.12	7.2	11	6	5	
0.15	7.2	11	6	5	
0.068	10.5	9	4	7.5	
0.082	10.5	9	4	7.5	
0.1	10.5	11	5	7.5	
0.12	10.5	11	5	7.5	
0.15	10.5	12	6	7.5	
0.18	10.5	12	6	7.5	
0.082	13	9	4	10	
0.1	13	9	4	10	
0.12	13	11	5	10	
0.15	13	11	5	10	
0.18	13	11	5	10	
0.22	13	12	6	10	
0.27	13	12	6	10	
0.18	18	11	5	15	
0.22	18	11	5	15	
0.27	18	11	5	15	
0.33	18	11	5	15	
0.39	18	12	6	15	
0.47	18	12	6	15	
0.56	18	13.5	7.5	15	
0.68	18	13.5	7.5	15	
0.82	18	14.5	8.5	15	
1	18	16	10	15	
1.2	18	16	10	15	
1.5	18	19	11	15	
1.8	18	19	11	15	

160V (90VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.47	26.5	15	6	22.5	
0.56	26.5	15	6	22.5	
0.68	26.5	15	6	22.5	
0.82	26.5	16.5	7	22.5	
1	26.5	16.5	7	22.5	
1.2	26.5	17	8.5	22.5	
1.5	26.5	17	8.5	22.5	
1.8	26.5	19	10	22.5	
2.2	26.5	20	11	22.5	
2.7	26.5	22	12	22.5	
3.3	26.5	22	12	22.5	
1	32	18	9	27.5	
1.2	32	18	9	27.5	
1.5	32	18	9	27.5	
1.8	32	18	9	27.5	
2.2	32	18	9	27.5	
2.7	32	20	11	27.5	
3.3	32	20	11	27.5	
3.9	32	22	13	27.5	
4.7	32	28	14	27.5	
5.6	31	24.5	15	27.5	
6.8	32	33	18	27.5	
8.2	32	33	18	27.5	
10	32	33	18	27.5	
12	32	37	22	27.5	
15	32	37	22	27.5	
250V (160VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.012	7.2	7.5	3.5	5	
0.015	7.2	7.5	3.5	5	
0.018	7.2	7.5	3.5	5	
0.022	7.2	7.5	3.5	5	
0.027	7.2	7.5	3.5	5	
0.033	7.2	7.5	3.5	5	
0.039	7.2	7.5	3.5	5	
0.047	7.2	9.5	4.5	5	
0.056	7.2	9.5	4.5	5	
0.068	7.2	10	5	5	
0.082	7.2	10	5	5	
0.1	7.2	11	6	5	
0.12	7.2	11	6	5	
0.027	10.5	9	4	7.5	
0.033	10.5	9	4	7.5	
0.039	10.5	9	4	7.5	
0.047	10.5	9	4	7.5	



0.056	10.5	9	4	7.5	
0.068	10.5	9	4	7.5	
0.082	10.5	11	5	7.5	
0.1	10.5	11	5	7.5	
0.12	10.5	11	5	7.5	
MPB Series					
0.15	10.5	12	6	7.5	
0.18	10.5	12	6	7.5	
0.033	13	9	4	10	
0.039	13	9	4	10	
0.047	13	9	4	10	
0.056	13	9	4	10	
0.068	13	9	4	10	
0.082	13	9	4	10	
0.1	13	11	5	10	
0.12	13	11	5	10	
0.15	13	11	5	10	
0.18	13	12	6	10	
0.22	13	12	6	10	
250V (160VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.1	18	11	5	15	
0.12	18	11	5	15	
0.15	18	11	5	15	
0.18	18	11	5	15	
0.22	18	11	5	15	
0.27	18	12	6	15	
0.33	18	12	6	15	
0.39	18	13.5	7.5	15	
0.47	18	13.5	7.5	15	
0.56	18	13.5	7.5	15	
0.68	18	14.5	8.5	15	
0.82	18	16	10	15	
1	18	16	10	15	
1.2	18	19	11	15	
0.39	26.5	15	6	22.5	
0.47	26.5	15	6	22.5	
0.56	26.5	15	6	22.5	
0.68	26.5	15	6	22.5	
0.82	26.5	15	6	22.5	
1	26.5	16.5	7	22.5	
1.2	26.5	17	8.5	22.5	
1.5	26.5	17	8.5	22.5	
1.8	26.5	19	10	22.5	
2.2	26.5	20	11	22.5	
2.7	26.5	22	12	22.5	
0.82	32	18	9	27.5	
1	32	18	9	27.5	

1.2	32	18	9	27.5	
1.5	32	18	9	27.5	
1.8	32	18	9	27.5	
2.2	32	18	9	27.5	
2.7	32	20	11	27.5	
3.3	32	20	11	27.5	
3.9	32	22	13	27.5	
4.7	32	28	14	27.5	
5.6	31	24.5	15	27.5	
6.8	32	33	18	27.5	
8.2	32	33	18	27.5	
10	32	33	18	27.5	
12	32	37	22	27.5	
15	32	37	22	27.5	
400V (220VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.0039	7.2	7.5	3.5	5	
0.0047	7.2	7.5	3.5	5	
0.0056	7.2	7.5	3.5	5	
0.0068	7.2	7.5	3.5	5	
0.0082	7.2	7.5	3.5	5	
0.01	7.2	7.5	3.5	5	
0.012	7.2	7.5	3.5	5	
0.015	7.2	9.5	4.5	5	
0.018	7.2	9.5	4.5	5	
0.022	7.2	9.5	4.5	5	
0.027	7.2	10	5	5	
0.033	7.2	11	6	5	
0.039	7.2	11	6	5	
0.047	7.2	11	6	5	
0.01	10.5	9	4	7.5	
0.012	10.5	9	4	7.5	
0.015	10.5	9	4	7.5	
0.018	10.5	9	4	7.5	
0.022	10.5	9	4	7.5	
0.027	10.5	9	4	7.5	
0.033	10.5	11	5	7.5	
0.039	10.5	11	5	7.5	
0.047	10.5	11	5	7.5	
0.056	10.5	12	6	7.5	
0.068	10.5	12	6	7.5	
0.015	13	9	4	10	
0.018	13	9	4	10	
0.022	13	9	4	10	
0.027	13	9	4	10	
0.033	13	9	4	10	
0.039	13	9	4	10	



0.047	13	11	5	10	
0.056	13	11	5	10	
0.068	13	11	5	10	
0.082	13	12	6	10	
0.1	13	12	6	10	

MPB Series

400V (220VAC)

CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.068	18	11	5	15	
0.082	18	11	5	15	
0.1	18	11	5	15	
0.12	18	11	5	15	
0.15	18	12	6	15	
0.18	18	12	6	15	
0.22	18	13.5	7.5	15	
0.27	18	13.5	7.5	15	
0.33	18	14.5	8.5	15	
0.39	18	16	10	15	
0.47	18	16	10	15	
0.56	18	19	11	15	
0.68	18	19	11	15	
0.18	26.5	15	6	22.5	
0.22	26.5	15	6	22.5	
0.27	26.5	15	6	22.5	
0.33	26.5	15	6	22.5	
0.39	26.5	16.5	7	22.5	
0.47	26.5	16.5	7	22.5	
0.56	26.5	17	8.5	22.5	
0.68	26.5	17	8.5	22.5	
0.82	26.5	19	10	22.5	
1	26.5	20	11	22.5	
1.2	26.5	22	12	22.5	
1.5	26.5	22	12	22.5	
0.56	32	18	9	27.5	
0.68	32	18	9	27.5	
0.82	32	18	9	27.5	
1	32	18	9	27.5	
1.2	32	20	11	27.5	
1.5	32	20	11	27.5	
1.8	32	22	13	27.5	
2.2	32	28	14	27.5	

2.7	31	24.5	15	27.5	
3.3	32	33	18	27.5	
3.9	32	33	18	27.5	
4.7	32	37	22	27.5	
5.6	32	37	22	27.5	

630V (250VAC)

CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.001	7.2	7.5	3.5	5	
0.0012	7.2	7.5	3.5	5	
0.0015	7.2	7.5	3.5	5	
0.0018	7.2	7.5	3.5	5	
0.0022	7.2	7.5	3.5	5	
0.0027	7.2	7.5	3.5	5	
0.0033	7.2	7.5	3.5	5	
0.0039	7.2	9.5	4.5	5	
0.0047	7.2	9.5	4.5	5	
0.0056	7.2	10	5	5	
0.0068	7.2	10	5	5	
0.0082	7.2	11	6	5	
0.01	7.2	11	6	5	
0.012	7.2	11	6	5	
0.001	10.5	9	4	7.5	
0.0012	10.5	9	4	7.5	
0.0015	10.5	9	4	7.5	
0.0018	10.5	9	4	7.5	
0.0022	10.5	9	4	7.5	
0.0027	10.5	9	4	7.5	
0.0033	10.5	9	4	7.5	
0.0039	10.5	9	4	7.5	
0.0047	10.5	9	4	7.5	
0.0056	10.5	9	4	7.5	
0.0068	10.5	9	4	7.5	
0.0082	10.5	9	4	7.5	
0.01	10.5	9	4	7.5	
0.012	10.5	9	4	7.5	
0.015	10.5	11	5	7.5	
0.018	10.5	11	5	7.5	
0.022	10.5	11	5	7.5	
0.027	10.5	12	6	7.5	
0.033	10.5	12	6	7.5	
0.001	13	9	4	10	
0.0012	13	9	4	10	
0.0015	13	9	4	10	



0.0018	13	9	4	10	
0.0022	13	9	4	10	
0.0027	13	9	4	10	
0.0033	13	9	4	10	
0.0039	13	9	4	10	
0.0047	13	9	4	10	

MPB Series

630V (250VAC)

CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.0056	13	9	4	10	
0.0068	13	9	4	10	
0.0082	13	9	4	10	
0.01	13	9	4	10	
0.012	13	9	4	10	
0.015	13	9	4	10	
0.018	13	9	4	10	
0.022	13	11	5	10	
0.027	13	11	5	10	
0.033	13	11	5	10	
0.039	13	12	6	10	
0.047	13	12	6	10	
0.027	18	11	5	15	
0.033	18	11	5	15	
0.039	18	11	5	15	
0.047	18	11	5	15	
0.056	18	11	5	15	
0.068	18	12	6	15	
0.082	18	12	6	15	
0.1	18	13.5	7.5	15	
0.12	18	13.5	7.5	15	
0.15	18	13.5	7.5	15	
0.18	18	14.5	8.5	15	
0.22	18	16	10	15	
0.27	18	19	11	15	
0.33	18	19	11	15	
0.082	26.5	15	6	22.5	
0.1	26.5	15	6	22.5	
0.12	26.5	15	6	22.5	
0.15	26.5	15	6	22.5	
0.18	26.5	15	6	22.5	
0.22	26.5	16.5	7	22.5	
0.27	26.5	17	8.5	22.5	
0.33	26.5	17	8.5	22.5	

0.39	26.5	19	10	22.5	
0.47	26.5	19	10	22.5	
0.56	26.5	20	11	22.5	
0.68	26.5	22	12	22.5	
0.33	32	18	9	27.5	
0.39	32	18	9	27.5	
0.47	32	18	9	27.5	
0.56	32	20	11	27.5	
0.68	32	20	11	27.5	
0.82	32	20	11	27.5	
1	32	22	13	27.5	
1.2	32	28	14	27.5	
1.5	32	24.5	15	27.5	
1.8	32	33	18	27.5	
2.2	32	33	18	27.5	
2.7	32	37	22	27.5	
3.3	32	37	22	27.5	

1000V (400VAC)

CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.001	13	9	4	10	
0.001	13	9	4	10	
0.002	13	9	4	10	
0.002	13	9	4	10	
0.002	13	9	4	10	
0.003	13	9	4	10	
0.003	13	9	4	10	
0.004	13	9	4	10	
0.005	13	11	5	10	
0.006	13	11	5	10	
0.007	13	11	5	10	
0.008	13	12	6	10	
0.01	13	12	6	10	
0.002	18	11	5	15	
0.003	18	11	5	15	
0.003	18	11	5	15	
0.004	18	11	5	15	
0.005	18	11	5	15	
0.006	18	11	5	15	
0.007	18	11	5	15	
0.008	18	11	5	15	
0.01	18	11	5	15	
0.012	18	11	5	15	
0.015	18	12	6	15	
0.018	18	12	6	15	



0.022	18	13.5	7.5	15	
0.027	18	13.5	7.5	15	
0.033	18	14.5	8.5	15	
0.039	18	16	10	15	
0.047	18	16	10	15	
0.056	18	19	11	15	
0.068	18	19	11	15	
0.018	26.5	15	6	22.5	
0.022	26.5	15	6	22.5	
0.027	26.5	15	6	22.5	
0.033	26.5	15	6	22.5	
0.039	26.5	15	6	22.5	
0.047	26.5	16.5	7	22.5	
0.056	26.5	16.5	7	22.5	
0.068	26.5	17	8.5	22.5	
0.082	26.5	17	8.5	22.5	
0.1	26.5	19	10	22.5	
0.12	26.5	22	12	22.5	
0.15	26.5	22	12	22.5	
1600V (600VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.00056	18	11	5	15	
0.00068	18	11	5	15	
0.00082	18	11	5	15	
0.001	18	11	5	15	
0.0012	18	11	5	15	
0.0015	18	11	5	15	
0.0018	18	11	5	15	
0.0022	18	11	5	15	
0.0027	18	11	5	15	
0.0033	18	11	5	15	
0.0039	18	11	5	15	
0.0047	18	11	5	15	
0.0056	18	11	5	15	
0.0068	18	11	5	15	
0.0082	18	12	6	15	
0.01	18	12	6	15	
0.012	18	12	6	15	
0.015	18	13.5	7.5	15	
0.018	18	13.5	7.5	15	
0.022	18	14.5	8.5	15	
0.027	18	16	10	15	
0.033	18	16	10	15	
0.039	18	19	11	15	
0.047	18	19	11	15	

0.015	26.5	16.5	7	22.5	
0.018	26.5	16.5	7	22.5	
0.022	26.5	16.5	7	22.5	
0.027	26.5	16.5	7	22.5	
0.033	26.5	16.5	7	22.5	
0.039	26.5	17	8.5	22.5	
0.047	26.5	19	10	22.5	
0.056	26.5	19	10	22.5	
0.068	26.5	22	12	22.5	
0.082	26.5	22	12	22.5	
0.1	26.5	22	12	22.5	
2000V (700VAC)					
CN μF	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.00056	18	11	5	15	
0.00068	18	11	5	15	
0.00082	18	11	5	15	
0.001	18	11	5	15	
0.0012	18	11	5	15	
0.0015	18	11	5	15	
0.0018	18	11	5	15	
0.0022	18	11	5	15	
0.0027	18	11	5	15	
0.0033	18	11	5	15	
0.0039	18	11	5	15	
0.0047	18	11	5	15	
0.0056	18	12	6	15	
0.0068	18	12	6	15	
0.0082	18	13.5	7.5	15	
0.01	18	13.5	7.5	15	
0.012	18	14.5	8.5	15	
0.015	18	14.5	8.5	15	
0.018	18	16	10	15	
0.022	18	19	11	15	
0.0068	26.5	15	6	22.5	
0.0082	26.5	15	6	22.5	
0.01	26.5	15	6	22.5	
0.012	26.5	15	6	22.5	
0.015	26.5	15	6	22.5	
0.018	26.5	16.5	7	22.5	
0.022	26.5	17	8.5	22.5	
0.027	26.5	17	8.5	22.5	
0.033	26.5	19	10	22.5	
0.039	26.5	19	10	22.5	
0.047	26.5	22	12	22.5	
0.056	26.5	22	12	22.5	