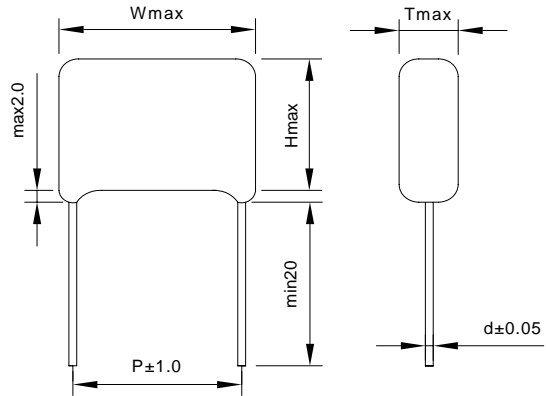




Metallized Polypropylene film Capacitor MPR



● Features and applications:

1. High frequency and low dissipation factor
2. Low temperature rise inside
3. Small changes on capacitance and dissipation affected by the temperature change.
4. Excellent flame retardant
5. Excellent moisture proof
6. Widely used in high frequency DC, AC and pulse circuit.
7. Filtering circuit after rectified.

■ 技术参数 Technical Specifications

项目 Items	性能要求 Characteristics		
引用标准 Reference Standard	GB 10190 (IEC60384-16)		
气候类别 Climatic Category	40/105/21		
额定温度 Rate Temperature	85°C		
工作温度范围 Operating Temperature Range	-40~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for V_R (DC))		
额定电压 Rated Voltage	100/250V、400V、630V、1000V		
电容量范围 Capacitance Range	0.01 μ F ~ 3.3 μ F		
电容量偏 Capacitance Tolerance	$\pm 5\%$ (J); $\pm 10\%$ (K); $\pm 20\%$ (M) (1kHz)		
耐电压 Voltage Proof	1.6 U_R (5S)		
损耗角正切 Dissipation Factor	$\leq 10 \times 10^{-4}$ (20°C ; 1kHz)		
绝缘电阻 Insulation Resistance	$U_R > 100V$	$C_R \leq 0.33 \mu F \geq 100000 M\Omega$ $C_R > 0.33 \mu F \geq 30000 S$	20°C, 100VDC, 1min



■ 外形尺寸 Dimensions (mm)

电容量 μF	250VDC/160VAC					400VDC/200VAC				
	Wmax	Hmax	Tmax	P ± 1.0	d ± 0.05	Wmax	Hmax	Tmax	P ± 1.0	d ± 0.05
0.01	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.012	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.015	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.018	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.022	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.033	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.039	12	8	4.5	10	0.6	12	8.5	5.0	10	0.6
0.047	12	8	4.5	10	0.6	12	9.0	5.5	10	0.6
0.056	12	8	4.5	10	0.6	12	9.5	6.0	10	0.6
0.068	12	8	4.5	10	0.6	12	10	6	10	0.6
0.082	12	8	4.5	10	0.6	12	10.5	6.5	10	0.6
0.1	12	9	5	10	0.6	12	11	7.0	10	0.6
0.15	12	10	6	10	0.6	18	10.5	6.5	15	0.8
0.18	12	10	6	10	0.6	18	11	7.0	15	0.8
0.22	12	10.5	6.5	10	0.6	18	11.5	7.5	15	0.8
0.33	18	10	6.5	15	0.8	18	13.5	9.0	15	0.8
0.39	18	11	7.0	15	0.8	18	15	9.0	15	0.8
0.47	18	11.5	7.5	15	0.8	18	16	10	15	0.8
0.56	18	12	8.0	15	0.8	25	14	7.5	22.5	0.8
0.68	18	14	8.0	15	0.8	25	15	9.0	22.5	0.8
0.82	18	15	8.5	15	0.8	25	16.5	10	22.5	0.8
1.0	18	16	9.5	15	0.8	25	17.5	11	22.5	0.8
1.2	23	14.5	8.5	20	0.8	25	18.5	12	22.5	0.8
1.5	23	16	9.5	20	0.8	25	21.5	12.5	22.5	0.8
1.8	23	17	10.5	20	0.8	30	21	12	27.5	0.8
2.0	23	17.5	11.0	20	0.8	30	22	12.5	27.5	0.8
2.2	23	18	11.5	20	0.8	30	22.5	13	27.5	0.8
2.5	23	18.5	12.5	20	0.8	30	23.5	14	27.5	0.8
3.0	25	21	11.5	22.5	0.8					
3.3	25	21.5	12	22.5	0.8					



聚丙烯电容器
Polypropylene Film Capacitor

电容量 μF	630VDC/220VAC					1000VDC/400VAC				
	Wmax	Hmax	Tmax	P ± 1.0	d ± 0.05	Wmax	Hmax	Tmax	P ± 1.0	d ± 0.05
0.01	12	8	4.5	10	0.6	12	8	4.5	10	0.6
0.012	12	8	4.5	10	0.6	12	9	5.5	10	0.6
0.015	12	8	4.5	10	0.6	12	9.5	6.0	10	0.6
0.018	12	8	4.5	10	0.6	12	10	6.0	10	0.6
0.022	12	8.5	5.0	10	0.6	12	10.5	6.5	10	0.6
0.033	12	9	5.5	10	0.6	18	10	6	15	0.8
0.039	12	9.5	6.0	10	0.6	18	10.5	6.5	15	0.8
0.047	12	10	6.5	10	0.6	18	11	7.5	15	0.8
0.056	12	10.5	7.0	10	0.6	18	12	8.5	15	0.8
0.068	12	11	7.5	10	0.6	18	12.5	9	15	0.8
0.082	18	10	7	15	0.8	18	13	9.5	15	0.8
0.1	18	11	7	15	0.8	18	14.5	10	15	0.8
0.15	18	12.5	8.5	15	0.8	18	16.5	12	15	0.8
0.18	18	13.5	8.5	15	0.8	25	15	10.5	22.5	0.8
0.22	18	14.5	9.5	15	0.8	25	17	11	22.5	0.8
0.33	18	16.5	11.5	15	0.8	25	19.5	13.5	22.5	0.8
0.39	25	14.5	10	22.5	0.8	25	20.5	14.5	22.5	0.8
0.47	25	16.5	10	22.5	0.8	25	23	15	22.5	0.8
0.56	25	17.5	11	22.5	0.8	30	22.5	14.5	27.5	0.8
0.68	25	18.5	12	22.5	0.8	30	24	16	27.5	0.8
0.82	25	20.5	12.5	22.5	0.8	30	25.5	17.5	27.5	0.8
1.0	25	23	13.5	22.5	0.8	30	28	19	27.5	0.8
1.2	30	20.5	14.5	27.5	0.8					
1.5	30	24	14.5	27.5	0.8					
1.8	30	25.5	16	27.5	0.8					
2.0	30	26.5	17	27.5	0.8					
2.2										
2.5										
3.0										
3.3										

Remark: Special needs can be designed according to customer requirements