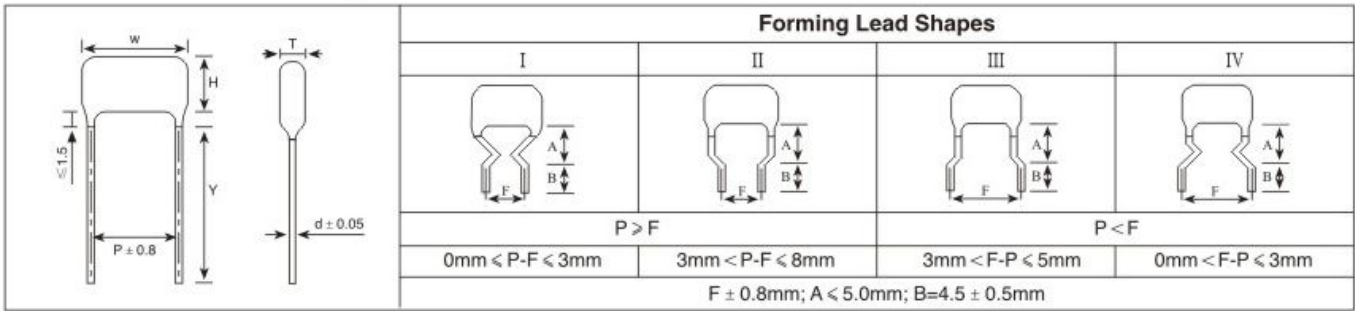


高压金属化聚丙烯膜/箔式电容器

High-voltage metallized polypropylene film/foil capacitor

■ 外形图 Outline Drawing



■ 特点

- 金属化聚丙烯膜箔式，卷绕结构
- 损耗小，内部温升小
- 负电容量温度系数
- 阻燃环氧粉末封装（UL94/V-0）

■ 主要用途

- 大屏幕显示器及彩电行逆程电路
- 适用于高脉冲、大电流电路
- 适用于电子镇流器

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579 (IEC 60384-17)					
气候类别 Climatic Category	40/105/21					
额定温度 Rated Temperature	85℃					
工作温度 Operating Temperature Range	-40℃ ~ 105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for U _R)					
额定电压 Rated Voltage	630V, 800V, 1 000/1 250V, 1 600V, 2 000V, 2 500V					
电容量范围 Capacitance Range	0.0010μF ~ 0.10μF					
电容量偏差 Capacitance Tolerance	±3%(H)、±5%(J)、±10%(K)					
耐电压 Voltage Proof	1.75U _R (5s)					
损耗角正切 Dissipation Factor	≤ 10 × 10 ⁻⁴ (1kHz, 20℃) ≤ 20 × 10 ⁻⁴ (10kHz, 20℃)					
绝缘电阻 Insulation Resistance	≥ 100 000MΩ (20℃, 100V, 1min)					
最大脉冲爬升速率 Maximum Pulse Rise Time(dV/dt): 若实际工作电压 U 比额定电压 U _R 低，电容器可工作在更高的 dV/dt 场合，这样 dv/dt 允许值应为右表值乘以 U _R /U。 If the working voltage(U) is lower than the rated voltage(U _R),the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with U _R /U.	Pattern I					
	U _R (V)	dV/dt (V/μs)				
		P=15.0	P=19.0	P=22.0	P=25.0	P=27.0
	800	15 000	14 000	12 000	---	---
	1 000/1 200	30 000	20 000	---	15 000	---
	1 600/2 000	36 000	22 000	---	16 000	12 000
	Pattern II					
	U _R (V)	dV/dt (V/μs)				
		P=15.0				
	630/800	11 000				
1 000/1 250	28 000					
1 600	32 000					
2 000	35 000					
2 500	40 000					

■ Features

- Metallized polypropylene film/foil,wound construction
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Flame retardant epoxy resin powder coating (UL94/V-0)

■ Typical Applications

- Horizontal resonance circuits of large screen monitor and colour TV
- Suitable for high pulse and high current loading circuit
- Suitable for electronic ballast

■ 外形尺寸 Dimensions (mm)

Pattern II (Reduced sizes)

630/800Vdc (400Vac) #					
C _N (μ F)	W max	H max	T max	P	d
0.0010	18.0	10.1	5.7	15.0	0.8
0.0012	18.0	10.5	6.0	15.0	0.8
0.0015	18.0	11.0	6.5	15.0	0.8
0.0016	18.0	11.6	6.4	15.0	0.8
0.0018	18.0	11.9	6.7	15.0	0.8
0.0020	18.0	12.2	7.0	15.0	0.8
0.0022	18.0	12.5	7.3	15.0	0.8
0.0024	18.0	12.7	7.5	15.0	0.8
0.0027	18.0	13.1	7.9	15.0	0.8
0.0030	18.0	13.5	8.3	15.0	0.8
0.0033	18.0	13.8	8.6	15.0	0.8
0.0036	18.0	11.7	6.5	15.0	0.8
0.0039	18.0	12.0	6.7	15.0	0.8
0.0043	18.0	12.2	7.0	15.0	0.8
0.0047	18.0	12.5	7.3	15.0	0.8
0.0049	18.0	11.9	6.7	15.0	0.8
0.0051	18.0	12.0	6.8	15.0	0.8
0.0053	18.0	12.1	6.9	15.0	0.8
0.0056	18.0	11.5	6.2	15.0	0.8
0.0060	18.0	11.6	6.4	15.0	0.8
0.0062	18.0	11.7	6.5	15.0	0.8
0.0065	18.0	11.8	6.6	15.0	0.8
0.0068	18.0	12.0	6.8	15.0	0.8
0.0072	18.0	12.1	6.9	15.0	0.8
0.0075	18.0	12.2	7.0	15.0	0.8
0.0078	18.0	12.4	7.1	15.0	0.8
0.0082	18.0	12.5	7.3	15.0	0.8
0.0084	18.0	12.6	7.4	15.0	0.8
0.0091	18.0	12.8	7.6	15.0	0.8
0.0100	18.0	13.2	8.0	15.0	0.8
0.0120	18.0	11.4	6.2	15.0	0.8
0.0150	18.0	12.0	6.8	15.0	0.8
0.0180	18.0	12.6	7.4	15.0	0.8
0.0220	18.0	13.8	8.1	15.0	0.8
0.0240	18.0	14.1	8.4	15.0	0.8
0.0270	18.0	14.6	8.9	15.0	0.8
0.0330	18.0	16.4	9.1	15.0	0.8
0.0360	18.0	16.8	9.5	15.0	0.8

1 000/1 250Vdc (450Vac) #					
C _N (μ F)	W max	H max	T max	P	d
0.0010	18.0	10.1	5.7	15.0	0.8
0.0012	18.0	10.5	6.0	15.0	0.8
0.0015	18.0	11.0	6.5	15.0	0.8
0.0016	18.0	11.6	6.4	15.0	0.8
0.0018	18.0	11.9	6.7	15.0	0.8
0.0020	18.0	12.2	7.0	15.0	0.8
0.0022	18.0	12.5	7.3	15.0	0.8
0.0024	18.0	12.7	7.5	15.0	0.8
0.0027	18.0	13.6	7.9	15.0	0.8
0.0030	18.0	14.0	8.3	15.0	0.8
0.0033	18.0	14.3	8.6	15.0	0.8
0.0036	18.0	11.7	6.5	15.0	0.8
0.0039	18.0	12.0	6.7	15.0	0.8
0.0043	18.0	12.2	7.0	15.0	0.8
0.0047	18.0	12.5	7.3	15.0	0.8
0.0049	18.0	12.6	7.4	15.0	0.8
0.0051	18.0	12.8	7.5	15.0	0.8
0.0053	18.0	12.9	7.7	15.0	0.8
0.0056	18.0	12.1	6.9	15.0	0.8
0.0060	18.0	12.3	7.1	15.0	0.8
0.0062	18.0	12.4	7.2	15.0	0.8
0.0065	18.0	12.6	7.4	15.0	0.8
0.0068	18.0	12.7	7.5	15.0	0.8
0.0072	18.0	12.9	7.7	15.0	0.8
0.0075	18.0	13.5	7.8	15.0	0.8
0.0078	18.0	13.7	8.0	15.0	0.8
0.0082	18.0	13.9	8.1	15.0	0.8
0.0084	18.0	13.9	8.2	15.0	0.8
0.0091	18.0	14.2	9.0	15.0	0.8
0.0100	18.0	14.6	9.4	15.0	0.8
0.0120	18.0	15.4	10.2	15.0	0.8
0.0150	18.0	14.9	9.7	15.0	0.8
0.0180	18.0	15.7	10.5	15.0	0.8
0.0220	18.0	16.7	11.5	15.0	0.8

备注：“-”表示容量偏差。 “-” =capacitance tolerance code, M= \pm 20%,K= \pm 10%,J= \pm 5%

■ 外形尺寸 Dimensions (mm)

Pattern II (Reduced sizes)

1 600Vdc (450Vac)					
C _N (μ F)	W max	H max	T max	P	d
0.0010	18.0	10.4	6.0	15.0	0.8
0.0012	18.0	10.8	6.4	15.0	0.8
0.0015	18.0	11.3	6.9	15.0	0.8
0.0016	18.0	12.0	6.8	15.0	0.8
0.0018	18.0	12.3	7.1	15.0	0.8
0.0020	18.0	12.7	7.4	15.0	0.8
0.0022	18.0	12.9	7.7	15.0	0.8
0.0024	18.0	13.7	8.0	15.0	0.8
0.0027	18.0	11.4	6.2	15.0	0.8
0.0030	18.0	11.7	6.5	15.0	0.8
0.0033	18.0	11.9	6.7	15.0	0.8
0.0036	18.0	11.4	6.2	15.0	0.8
0.0039	18.0	11.6	6.4	15.0	0.8
0.0043	18.0	11.8	6.6	15.0	0.8
0.0047	18.0	12.1	6.9	15.0	0.8
0.0049	18.0	12.2	7.0	15.0	0.8
0.0051	18.0	12.3	7.1	15.0	0.8
0.0053	18.0	12.4	7.2	15.0	0.8
0.0056	18.0	12.6	7.4	15.0	0.8
0.0060	18.0	12.8	7.6	15.0	0.8
0.0062	18.0	12.9	7.7	15.0	0.8
0.0065	18.0	13.6	7.9	15.0	0.8
0.0068	18.0	13.7	8.0	15.0	0.8
0.0072	18.0	13.9	8.2	15.0	0.8
0.0075	18.0	14.1	8.4	15.0	0.8
0.0078	18.0	14.2	9.0	15.0	0.8
0.0082	18.0	14.4	9.2	15.0	0.8
0.0084	18.0	14.5	9.3	15.0	0.8
0.0091	18.0	14.9	9.6	15.0	0.8
0.0100	18.0	15.3	10.0	15.0	0.8
0.0120	18.0	16.1	10.9	15.0	0.8

2 000Vdc (500Vac)					
C _N (μ F)	W max	H max	T max	P	d
0.0010	18.0	10.4	6.0	15.0	0.8
0.0012	18.0	10.8	6.4	15.0	0.8
0.0015	18.0	11.3	6.9	15.0	0.8
0.0016	18.0	12.0	6.8	15.0	0.8
0.0018	18.0	12.3	7.1	15.0	0.8
0.0020	18.0	12.7	7.4	15.0	0.8
0.0022	18.0	12.9	7.7	15.0	0.8
0.0024	18.0	11.8	6.6	15.0	0.8
0.0027	18.0	12.1	6.9	15.0	0.8
0.0030	18.0	12.4	7.2	15.0	0.8
0.0033	18.0	12.7	7.5	15.0	0.8
0.0036	18.0	12.2	7.0	15.0	0.8
0.0039	18.0	12.4	7.2	15.0	0.8
0.0043	18.0	12.7	7.5	15.0	0.8
0.0047	18.0	13.5	7.8	15.0	0.8
0.0049	18.0	13.7	8.0	15.0	0.8
0.0051	18.0	13.8	8.1	15.0	0.8
0.0053	18.0	13.9	8.2	15.0	0.8
0.0056	18.0	14.2	8.4	15.0	0.8
0.0060	18.0	14.4	9.2	15.0	0.8
0.0062	18.0	14.5	9.3	15.0	0.8
0.0065	18.0	14.7	9.5	15.0	0.8
0.0068	18.0	14.9	9.7	15.0	0.8
0.0072	18.0	15.2	9.9	15.0	0.8
0.0075	18.0	15.3	10.1	15.0	0.8
0.0078	18.0	15.5	10.3	15.0	0.8
0.0082	18.0	15.7	10.5	15.0	0.8
0.0084	18.0	15.8	10.6	15.0	0.8
0.0091	18.0	16.2	11.0	15.0	0.8
0.0100	18.0	16.7	11.5	15.0	0.8

2 500Vdc (500Vac)					
C _N (μ F)	W max	H max	T max	P	d
0.0010	18.0	10.4	6.0	15.0	0.8
0.0012	18.0	10.8	6.4	15.0	0.8
0.0015	18.0	11.3	6.9	15.0	0.8
0.0016	18.0	12.0	6.8	15.0	0.8
0.0018	18.0	12.3	7.1	15.0	0.8
0.0020	18.0	12.7	7.4	15.0	0.8
0.0022	18.0	12.9	7.7	15.0	0.8
0.0024	18.0	11.8	6.6	15.0	0.8
0.0027	18.0	12.1	6.9	15.0	0.8
0.0030	18.0	12.4	7.2	15.0	0.8
0.0033	18.0	12.7	7.5	15.0	0.8
0.0036	18.0	13.5	7.8	15.0	0.8
0.0039	18.0	13.8	8.1	15.0	0.8

2 500Vdc (500Vac)					
C _N (μ F)	W max	H max	T max	P	d
0.0043	18.0	14.1	8.4	15.0	0.8
0.0047	18.0	14.5	9.3	15.0	0.8
0.0049	18.0	14.6	9.4	15.0	0.8
0.0051	18.0	14.8	9.6	15.0	0.8
0.0053	18.0	15.0	9.7	15.0	0.8
0.0056	18.0	15.2	10.0	15.0	0.8
0.0060	18.0	15.5	10.3	15.0	0.8
0.0062	18.0	15.6	10.4	15.0	0.8
0.0065	18.0	15.9	10.6	15.0	0.8
0.0068	18.0	16.1	10.9	15.0	0.8
0.0072	18.0	16.3	11.1	15.0	0.8
0.0075	18.0	16.5	11.3	15.0	0.8
0.0078	18.0	16.7	11.5	15.0	0.8

备注：“-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%

■ 外形尺寸 Dimensions (mm)

Pattern I (High performance)

800Vdc					
C _N (μF)	W max	H max	T max	P	d
0.0010	18.5	12.0	7.0	15.0	0.8
0.0012	18.5	12.5	7.0	15.0	0.8
0.0015	18.5	13.0	7.5	15.0	0.8
0.0016	18.5	13.0	8.0	15.0	0.8
0.0018	18.5	13.5	8.0	15.0	0.8
0.0020	18.5	13.5	8.5	15.0	0.8
0.0022	18.5	14.0	9.0	15.0	0.8
0.0024	18.5	14.5	9.0	15.0	0.8
0.0027	18.5	14.5	9.5	15.0	0.8
0.0030	18.5	15.0	10.0	15.0	0.8
0.0033	18.5	15.5	10.0	15.0	0.8
0.0036	18.5	13.0	8.0	15.0	0.8
0.0039	18.5	13.5	8.5	15.0	0.8
0.0043	18.5	14.0	8.5	15.0	0.8
0.0047	18.5	14.0	9.0	15.0	0.8
0.0049	18.5	14.0	9.0	15.0	0.8
0.0051	18.5	14.5	9.0	15.0	0.8
0.0053	18.5	14.5	9.5	15.0	0.8
0.0056	18.5	14.5	9.5	15.0	0.8
0.0060	18.5	15.0	10.0	15.0	0.8
0.0062	18.5	15.0	10.0	15.0	0.8
0.0065	18.5	15.5	10.0	15.0	0.8
0.0068	18.5	15.5	10.5	15.0	0.8
0.0072	18.5	15.5	10.5	15.0	0.8
0.0075	18.5	16.0	10.5	15.0	0.8
0.0078	18.5	16.0	11.0	15.0	0.8
0.0082	18.5	16.5	11.0	15.0	0.8
0.0084	18.5	16.5	11.0	15.0	0.8
0.0091	18.5	17.0	11.5	15.0	0.8
0.0100	18.5	17.5	12.0	15.0	0.8
0.0120	18.5	13.0	8.0	15.0	0.8
0.0150	18.5	14.0	8.5	15.0	0.8
0.0180	18.5	14.5	9.5	15.0	0.8
0.0220	18.5	15.5	10.0	15.0	0.8
0.0240	18.5	15.5	10.5	15.0	0.8
0.0270	18.5	16.0	11.0	15.0	0.8
0.0330	23.0	16.0	9.5	19.0	0.8
0.0360	23.0	16.5	9.5	19.0	0.8
0.0390	23.0	16.5	10.0	19.0	0.8
0.0470	23.0	17.5	11.0	19.0	0.8
0.0560	23.0	18.5	11.5	19.0	0.8
0.0680	26.0	19.0	11.0	22.0	0.8
0.0820	26.0	20.0	12.0	22.0	0.8
0.1000	26.0	21.5	13.0	22.0	0.8

1 000/1 200Vdc [#]					
C _N (μF)	W max	H max	T max	P	d
0.0010	18.5	12.0	7.0	15.0	0.8
0.0012	18.5	12.5	7.0	15.0	0.8
0.0015	18.5	13.0	7.5	15.0	0.8
0.0016	18.5	13.0	8.0	15.0	0.8
0.0018	18.5	13.5	8.0	15.0	0.8
0.0020	18.5	13.5	8.5	15.0	0.8
0.0022	18.5	14.0	9.0	15.0	0.8
0.0024	18.5	14.5	9.0	15.0	0.8
0.0027	18.5	14.5	9.5	15.0	0.8
0.0030	18.5	15.0	10.0	15.0	0.8
0.0033	18.5	15.5	10.0	15.0	0.8
0.0036	18.5	13.0	8.0	15.0	0.8
0.0039	18.5	13.5	8.5	15.0	0.8
0.0043	18.5	14.0	8.5	15.0	0.8
0.0047	18.5	14.0	9.0	15.0	0.8
0.0049	18.5	14.0	9.0	15.0	0.8
0.0051	18.5	14.5	9.0	15.0	0.8
0.0053	18.5	14.5	9.5	15.0	0.8
0.0056	18.5	14.5	9.5	15.0	0.8
0.0060	23.0	14.5	7.5	19.0	0.8
0.0062	23.0	14.5	7.5	19.0	0.8
0.0065	23.0	14.5	8.0	19.0	0.8
0.0068	23.0	14.5	8.0	19.0	0.8
0.0072	23.0	15.0	8.0	19.0	0.8
0.0075	23.0	15.0	8.0	19.0	0.8
0.0078	23.0	15.0	8.5	19.0	0.8
0.0082	23.0	15.5	8.5	19.0	0.8
0.0084	23.0	15.5	8.5	19.0	0.8
0.0091	23.0	15.5	9.0	19.0	0.8
0.0100	23.0	16.0	9.0	19.0	0.8
0.0120	23.0	16.5	10.0	19.0	0.8
0.0150	29.0	15.5	9.0	25.0	0.8
0.0180	29.0	16.5	9.5	25.0	0.8
0.0220	29.0	18.5	10.0	25.0	0.8
0.0240	29.0	18.5	10.5	25.0	0.8
0.0270	29.0	19.0	11.0	25.0	0.8
0.0330	29.0	20.5	12.0	25.0	0.8
0.0360	29.0	20.5	12.5	25.0	0.8

备注：“-”表示容量偏差。 “-”=capacitance tolerance code, K=±10%,J=±5%,H=±3%

■ 外形尺寸 Dimensions (mm)

Pattern I (High performance)

1 600/2 000Vdc [#]					
C _N (μ F)	W max	H max	T max	P	d
0.0010	18.5	12.0	7.0	15.0	0.8
0.0012	18.5	12.5	7.0	15.0	0.8
0.0015	18.5	13.0	7.5	15.0	0.8
0.0016	18.5	13.0	8.0	15.0	0.8
0.0018	18.5	13.5	8.0	15.0	0.8
0.0020	18.5	13.5	8.5	15.0	0.8
0.0022	18.5	14.0	9.0	15.0	0.8
0.0024	18.5	14.5	9.0	15.0	0.8
0.0027	18.5	14.5	9.5	15.0	0.8
0.0030	18.5	15.0	10.0	15.0	0.8
0.0033	18.5	15.5	10.0	15.0	0.8
0.0036	23.0	14.5	9.0	19.0	0.8
0.0039	23.0	15.5	9.0	19.0	0.8
0.0043	23.0	16.0	9.0	19.0	0.8
0.0047	23.0	16.0	9.5	19.0	0.8
0.0049	23.0	16.5	9.5	19.0	0.8
0.0051	23.0	16.5	10.0	19.0	0.8
0.0053	23.0	16.5	10.0	19.0	0.8
0.0056	23.0	17.0	10.0	19.0	0.8
0.0060	23.0	15.5	8.5	19.0	0.8
0.0062	23.0	15.5	9.0	19.0	0.8
0.0065	23.0	15.5	9.0	19.0	0.8
0.0068	23.0	16.0	9.0	19.0	0.8
0.0072	23.0	16.0	9.5	19.0	0.8
0.0075	23.0	16.5	9.5	19.0	0.8
0.0078	23.0	16.5	9.5	19.0	0.8
0.0082	23.0	16.5	10.0	19.0	0.8
0.0084	23.0	16.5	10.0	19.0	0.8
0.0091	23.0	17.0	10.5	19.0	0.8
0.0100	29.0	15.5	8.5	25.0	0.8
0.0120	29.0	16.0	9.5	25.0	0.8
0.0150	29.0	18.0	9.5	25.0	0.8
0.0180	29.0	19.0	10.5	25.0	0.8
0.0220	29.0	20.0	11.5	25.0	0.8
0.0240	29.0	20.5	12.0	25.0	0.8
0.0270	31.0	20.5	12.0	27.0	0.8
0.0330	31.0	21.5	13.0	27.0	0.8
0.0360	31.0	22.0	13.5	27.0	0.8

备注：“-”表示容量偏差。 “-” =capacitance tolerance code, K=±10%,J=±5%,H=±3%