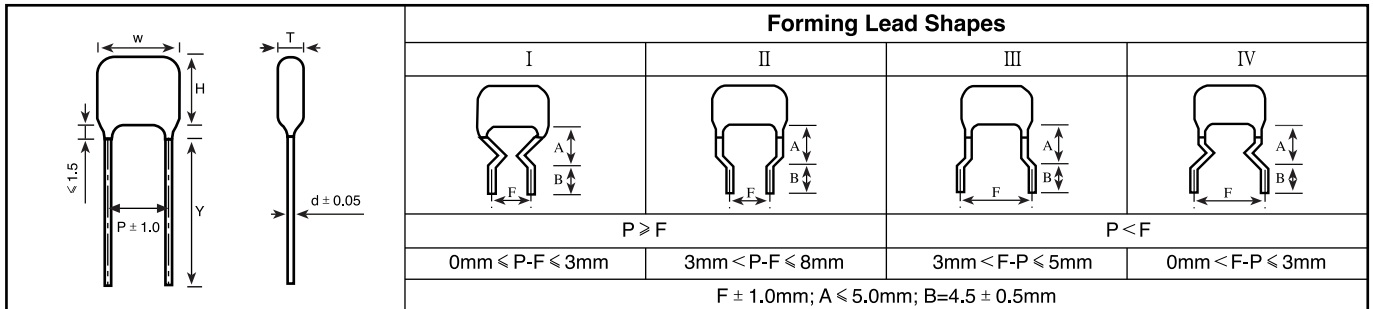


## 金属化聚酯膜电容器(浸渍型) Metallized polyester film capacitor(Dipped)

### ■ 外形图 Outline Drawing



### ■ 特点

- 金属化聚酯膜, 无感卷绕结构
- 容量范围宽, 体积小, 重量轻
- 自愈性好, 寿命长
- 阻燃性环氧粉末密封

### ■ Features

- Metallized polyester film, non-inductive wound construction
- Wide capacitance range, small size, and light weight
- Long life due to self-healing effect
- Flame retardation epoxy resin coating

### ■ 主要用途

- 适用于直流和VHF级信号的隔直流、旁路和耦合
- 广泛用于滤波、低脉冲电路

### ■ Typical Applications

- Suitable for blocking, by-pass and coupling of DC and signals to VHF range
- Widely used in filter and low pulse circuits

### ■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 7332 ( IEC 60384-2 )					
气候类别 Climatic Category	40/105/21					
额定温度 Rated Temperature	85°C					
工作温度范围 Operating Temperature Range	-40°C~105°C (+85°C to +105°C: decreasing factor 1.25% per °C for U <sub>R</sub> )					
额定电压 Rated Voltage	50/63V、100V、250V、400V、630V					
电容量范围 Capacitance Range	0.010μF ~ 10.0μF					
电容量偏差 Capacitance Tolerance	± 5%(J)、± 10%(K)					
耐电压 Voltage Proof	1.6U <sub>R</sub> ( 5s )					
损耗角正切 Dissipation Factor	≤ 1.0% ( 20°C ,1kHz )					
绝缘电阻 Insulation Resistance	U <sub>R</sub> ≤ 100V	≥ 3 750MΩ, C <sub>N</sub> ≤ 0.33μF (20°C ,10V, 1min) ≥ 1 250s, C <sub>N</sub> > 0.33μF				
	U <sub>R</sub> > 100V	≥ 30 000MΩ, C <sub>N</sub> ≤ 0.33μF (20°C , 100V, 1min) ≥ 5 000s, C <sub>N</sub> > 0.33μF				
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 <sub>R</sub> 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 <sub>R</sub> /U。 If the working voltage(U) is lower than the rated voltage(U <sub>R</sub> ),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 <sub>R</sub> /U.	U <sub>R</sub> (V)	dV/dt (V/μs) for Pattern III				
			P=7.5	P=10.0	P=15.0	P=22.5
	50/63	7.5	6	3	2	--
	100	15	9	5	3	--
	250	30	20	12	8	5
	400	40	30	20	10	7
	630	--	40	25	12	10
1 000	70	60	30	15	12	
1 250	80	70	40	18	14	

## METALLIZED POLYESTER FILM CAPACITOR

### 尺寸 Dimensions(mm)

Rated Cap.	50/63/100VDC					Rated Cap.	250VDC(160VAC)					Rated Cap.	400VDC(200VAC)				
	W	H	T	P	d		W	H	T	P	d		W	H	T	P	d
	max	max	max	±1.0	±0.05		max	max	max	±1.0	±0.05		max	max	max	±1.0	±0.05
0.047uF	10.5	8.5	4.5	7.5	0.6	0.022uF	10.5	9.5	5.5	7.5	0.6	0.01uF	10.5	10.5	6.0	7.5	0.6
0.056uF	10.5	10.0	5.5	7.5	0.6	0.027uF	10.5	9.5	5.5	7.5	0.6	0.012uF	10.5	10.5	6.5	7.5	0.6
0.068uF	10.5	10.0	6.0	7.5	0.6	0.033uF	10.5	10.0	5.5	7.5	0.6	0.015uF	10.5	11.5	6.5	7.5	0.6
0.082uF	10.5	10.5	6.0	7.5	0.6	0.039uF	10.5	10.0	6.0	7.5	0.6	0.018uF	10.5	12.0	6.5	7.5	0.6
0.1uF	10.5	11.0	6.5	7.5	0.6	0.047uF	10.5	10.0	6.0	7.5	0.6	0.022uF	13.0	10.5	6.0	10.0	0.6
0.12uF	10.5	11.5	7.0	7.5	0.6	0.056uF	10.5	10.5	6.0	7.5	0.6	0.027uF	13.0	11.0	6.0	10.0	0.6
0.15uF	10.5	12.0	7.5	7.5	0.6	0.068uF	10.5	10.5	6.5	7.5	0.6	0.033uF	13.0	11.0	6.5	10.0	0.6
0.18uF	10.5	13.0	8.0	7.5	0.6	0.082uF	10.5	11.0	7.0	7.5	0.6	0.039uF	13.0	11.5	7.0	10.0	0.6
0.22uF	13.0	12.0	7.0	10.0	0.6	0.1uF	13.0	11.5	6.0	10.0	0.6	0.047uF	13.0	12.0	7.0	10.0	0.6
0.27uF	13.0	12.5	7.5	10.0	0.6	0.12uF	13.0	12.0	6.5	10.0	0.6	0.056uF	13.0	12.0	7.5	10.0	0.6
0.33uF	13.0	13.0	8.0	10.0	0.6	0.15uF	13.0	12.0	7.0	10.0	0.6	0.068uF	13.0	12.5	7.5	10.0	0.6
0.39uF	13.0	13.5	8.5	10.0	0.6	0.18uF	13.0	12.5	7.0	10.0	0.6	0.082uF	13.0	12.5	8.0	10.0	0.6
0.47uF	13.0	14.5	9.0	10.0	0.6	0.22uF	13.0	13.0	7.0	10.0	0.6	0.1uF	18.0	12.0	6.5	15.0	0.6
0.56uF	18.0	13.5	8.0	15.0	0.6	0.27uF	13.0	13.5	7.5	10.0	0.6	0.12uF	18.0	12.5	7.0	15.0	0.6
0.68uF	18.0	14.5	8.5	15.0	0.8	0.33uF	18.0	14.5	8.0	15.0	0.8	0.15uF	18.0	13.0	7.5	15.0	0.6
0.82uF	18.0	15.0	9.5	15.0	0.8	0.39uF	18.0	15.0	9.0	15.0	0.8	0.18uF	18.0	13.5	8.0	15.0	0.8
1uF	18.0	15.5	10.0	15.0	0.8	0.47uF	18.0	15.5	9.5	15.0	0.8	0.22uF	18.0	14.0	8.0	15.0	0.8
1.2uF	18.0	16.5	11.0	15.0	0.8	0.56uF	18.0	16.0	10.0	15.0	0.8	0.27uF	18.0	14.5	9.0	15.0	0.8
1.5uF	18.0	17.5	11.5	15.0	0.8	0.68uF	18.0	16.5	10.5	15.0	0.8	0.33uF	18.0	15.0	9.5	15.0	0.8
1.8uF	24.0	18.0	10.0	20.0	0.8	0.82uF	24.0	16.0	10.0	20.0	0.8	0.39uF	18.0	16.0	10.0	15.0	0.8
2.2uF	24.0	18.5	11.0	20.0	0.8	1uF	24.0	18.0	10.5	20.0	0.8	0.47uF	18.0	17.0	11.0	15.0	0.8
2.7uF	24.0	21.0	13.0	20.0	0.8	1.2uF	24.0	19.0	11.0	20.0	0.8	0.56uF	24.0	16.0	10.0	20.0	0.8
3.3uF	24.0	22.5	14.0	20.0	0.8	1.5uF	24.0	20.0	11.5	20.0	0.8	0.68uF	24.0	17.0	11.0	20.0	0.8
3.9uF	24.0	23.5	14.5	20.0	0.8	1.8uF	24.0	21.0	12.5	20.0	0.8	0.82uF	30.0	17.0	10.5	26.0	0.8
4.7uF	32.0	24.5	13.5	27.5	0.8	2.2uF	32.0	23.0	12.0	27.5	0.8	1uF	30.0	18.0	11.0	26.0	0.8
5.6uF	32.0	25.0	14.0	27.5	0.8	2.7uF	32.0	24.0	14.0	27.5	0.8	1.2uF	30.0	19.0	12.0	26.0	0.8
6.8uF	32.0	26.0	15.5	27.5	0.8	3.3uF	32.0	24.5	14.5	27.5	0.8	1.5uF	30.0	20.5	13.0	26.0	0.8
8.2uF	32.0	27.5	16.5	27.5	0.8	4.7uF	42.0	26.0	14.0	37.5	1.0	1.8uF	37.0	25.0	16.5	32.5	0.8
10uF	37.0	28.0	18.0	32.5	1.0	5.6uF	42.0	27.0	15.0	37.5	1.0	2.2uF	37.0	26.0	17.5	32.5	0.8
Rated Cap.	630VDC(220VAC)					Rated Cap.	630VDC(220VAC)					Rated Cap.	630VDC(220VAC)				
	W	H	T	P	d		W	H	T	P	d		W	H	T	P	d
	max	max	max	±1.0	±0.05		max	max	max	±1.0	±0.05		max	max	max	±1.0	±0.05
0.01uF	13.0	10.0	5	10.0	0.6	0.068uF	13.0	13.5	9.0	10.0	0.6	0.39uF	24.0	15.5	10.0	20.0	0.8
0.012uF	13.0	10	5	10.0	0.6	0.082uF	13.0	13.5	9.5	10	0.6	0.47uF	24.0	15.5	10.0	20.0	0.8
0.015uF	13.0	10	5	10.0	0.6	0.1uF	18	14.0	9.0	15	0.8	0.56uF	24.0	16.5	10.0	20.0	0.8
0.018uF	13.0	11	6	10.0	0.6	0.12uF	18	14.0	9.5	15	0.8	0.68uF	24.0	17.0	11.0	20.0	0.8
0.022uF	13.0	11	6	10.0	0.6	0.15uF	18	14.5	10.0	15	0.8	0.82uF	24.0	18.0	12.0	20.0	0.8
0.027uF	13.0	11.5	6	10.0	0.6	0.18uF	18	15.5	10.0	15	0.8	1.0uF	24.0	20.5	15.0	20.0	0.8
0.033uF	13.0	12	6	10.0	0.6	0.22uF	18	15.0	10.5	15	0.8	1.2uF	24.0	21.0	16.5	20.0	0.8
0.047uF	13.0	12	7	10	0.6	0.27uF	18	16	11.0	15	0.8	1.8uF	30.5	22.5	15.5	20.0	0.8
0.056uF	13.0	12	7	10	0.6	0.33uF	18	16.5	11.5	15	0.8	2.2uF	30.5	24.0	16.0	27.5	0.8

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