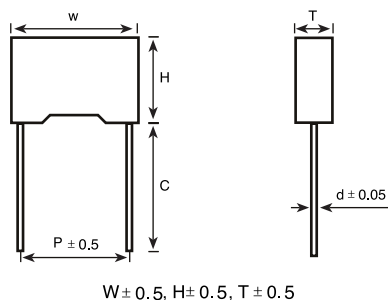


塑料外壳金属化聚酯膜电容器 Metallized polyester film capacitor(Box-type)

■ 外形图 Outline Drawing



■ 特点

- 可靠性高
- 金属化聚酯膜, 无感卷绕结构
- 塑料外壳(UL94 V-0), 阻燃环氧填充

■ 主要用途

- 旁路, 隔直, 耦合, 退耦
- 脉冲, 逻辑, 定时, 振荡电路

■ 技术要求 Specifications

■ Features

- High reliability
- Metallized polyester film, non-inductive wound construction
- Plastic case(UL94 V-0), Epoxy resin sealing

■ Typical Applications

- By-passing, blocking, coupling, decoupling,
- Pulse, logic, timing, oscillator circuits.

引用标准 Reference Standard	GB/T 7332 (IEC 60384-2)					
气候类别 Climatic Category	40/105/56					
额定温度 Rated Temperature	85℃					
工作温度范围 Operating Temperature Range	-40℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per °C for U _R)					
额定电压 Rated Voltage	63V、100V、160V、250V、400V、630V、1000V					
电容量范围 Capacitance Range	0.001μF~47.0μF					
电容量偏差 Capacitance Tolerance	± 5%(J), ± 10%(K), ± 20%(M)					
耐电压 Voltage Proof	1.6U _R (5s)					
损耗角正切 Dissipation Factor	测试频率 Frequency	C _R ≤ 0.1μF		C _R > 0.1μF		
	1kHz	≤ 1.0%		≤ 1.0%		
	10kHz	≤ 1.5%		≤ 1.5%		
	100kHz	≤ 3.0%				
绝缘电阻 Insulation Resistance	U _R > 100V	≥ 9 000MΩ, C _R ≤ 0.33μF ≥ 3 000s, C _R > 0.33μF (20℃, 100V, 1min)				
	U _R ≤ 100V	≥ 3 750MΩ, C _R ≤ 0.33μF ≥ 1 250s, C _R > 0.33μF (20℃, 10V, 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.	U _R (V)	dV/dt(V/μs)				
		P=7.5	P=10.0	P=15.0	P=22.5	P=27.5
	63	7.5	6	3	2	1
	100	15	9	5	3	2
	250	30	20	12	8	5
	400	40	30	20	10	7
630	50	40	25	12	-	

METALLIZED POLYESTER FILM CAPACITOR

尺寸 Dimensions(mm)

Rated Cap.	63/100VDC					Rated Cap.	250VDC					Rated Cap.	400VDC				
	W	H	T	P	d		W	H	T	P	d		W	H	T	P	d
	±0.5	±0.5	±0.5	±1.0	±0.05		±0.5	±0.5	±0.5	±1.0	±0.05		±0.5	±0.5	±0.5	±1.0	±0.05
0.01uF	10.0	9.0	4.0	7.5	0.6	0.01uF	10.0	9.0	4.0	7.5	0.6	0.01uF	10.0	9.0	4.0	7.5	0.6
0.015uF	10.0	9.0	4.0	7.5	0.6	0.015uF	10.0	9.0	4.0	7.5	0.6	0.01uF	13.0	9.0	4.0	10.0	0.6
0.022uF	10.0	9.0	4.0	7.5	0.6	0.022uF	10.0	9.0	4.0	7.5	0.6	0.015uF	10.0	9.0	4.0	7.5	0.6
0.027uF	10.0	9.0	4.0	7.5	0.6	0.027uF	10.0	9.0	4.0	7.5	0.6	0.015uF	13.0	9.0	4.0	10.0	0.6
0.033uF	10.0	9.0	4.0	7.5	0.6	0.033uF	10.0	9.0	4.0	7.5	0.6	0.022uF	10	9.0	4.0	7.5	0.6
0.047uF	10.0	9.0	4.0	7.5	0.6	0.047uF	10.0	9.0	4.0	7.5	0.6	0.022uF	13.0	9.0	4.0	10.0	0.6
0.056uF	10.0	9.0	4.0	7.5	0.6	0.068uF	10.0	9.0	4.0	7.5	0.6	0.033uF	10.0	9.0	4.0	7.5	0.6
0.068uF	10.0	9.0	4.0	7.5	0.6	0.068uF	13.0	9.0	4.0	10.0	0.6	0.033uF	13.0	11.0	5.0	10.0	0.6
0.082uF	10.0	9.0	4.0	7.5	0.6	0.10uF	10.0	9.0	4.0	7.5	0.6	0.047uF	10.0	9.0	4.0	7.5	0.6
0.1uF	13.0	9.0	4.0	10.0	0.6	0.10uF	13.0	9.0	4.0	10.0	0.6	0.047uF	13.0	11.0	5.0	10.0	0.6
0.15uF	13.0	9.0	4.0	10.0	0.6	0.15uF	10.0	11.0	5.0	7.5	0.6	0.056uF	10.0	11.0	5.0	7.5	0.6
0.18uF	13.0	11.0	5.0	10.0	0.6	0.15uF	13.0	11.0	5.0	10.0	0.6	0.056uF	13.0	12.0	6.0	10.0	0.6
0.22uF	13.0	11.0	5.0	10.0	0.6	0.15uF	18.0	11.0	5.0	15.0	0.6	0.068uF	10.0	11.0	5.0	7.5	0.6
0.27uF	13.0	11.0	5.0	10.0	0.6	0.22uF	10.0	11.0	5.0	7.5	0.6	0.068uF	13.0	12.0	6.0	10.0	0.6
0.33uF	13.0	11.0	5.0	10.0	0.6	0.22uF	13.0	12.0	6.0	10.0	0.6	0.068uF	18.0	11.0	5.0	15.0	0.6
0.47uF	18.0	11.0	5.0	15.0	0.6	0.22uF	18.0	11.0	5.0	15.0	0.6	0.10uF	10.0	12.0	6.0	7.5	0.6
0.56uF	18.0	11.0	5.0	15.0	0.6	0.33uF	10.0	12.0	6.0	7.5	0.6	0.10uF	13.0	12.0	6.0	10.0	0.6
0.68uF	18.0	12.0	6.0	15.0	0.8	0.33uF	13.0	12.0	6.0	10.0	0.6	0.10uF	18.0	11.0	5.0	15.0	0.6
0.82uF	18.0	13.5	7.5	15.0	0.8	0.33uF	18.0	11.0	5.0	15.0	0.6	0.15uF	10.0	12.0	6.0	7.5	0.6
1.0uF	18.0	13.5	7.5	15.0	0.8	0.47uF	18.0	12.0	6.0	15.0	0.8	0.15uF	13.0	13.0	7.0	10.0	0.6
1.2uF	18.0	13.5	7.5	15.0	0.8	0.47uF	26.5	15.0	6.0	22.5	0.8	0.15uF	18.0	11.0	5.0	15.0	0.6
1.5uF	18.0	13.5	7.5	15.0	0.8	0.68uF	18.0	14.5	8.5	15.0	0.8	0.22uF	18.0	12.0	6.0	15.0	0.8
1.8uF	18.0	14.5	8.5	15.0	0.8	0.68uF	26.5	15.0	6.0	22.5	0.8	0.22uF	26.5	15.0	6.0	22.5	0.8
2.2uF	26.5	16.5	7.0	22.5	0.8	1.0uF	18.0	16.0	10.0	15.0	0.8	0.33uF	18.0	13.5	7.5	15.0	0.8
2.7uF	26.5	17.0	8.5	22.5	0.8	1.0uF	26.5	16.5	7.0	22.5	0.8	0.47uF	18.0	14.5	8.5	15.0	0.8
3.3uF	26.5	19.0	10.0	22.5	0.8	1.5uF	26.5	17.0	8.5	22.5	0.8	0.68uF	26.5	20.0	10.0	22.5	0.8
10uF	26.5	20.0	11.0	22.5	0.8	2.2uF	31.5	19.5	11.0	27.5	0.8	1.0uF	31.5	18.5	9.5	27.5	0.8
22uF	31.5	21.0	13.0	27.5	0.8	3.3uF	32.0	20.0	11.0	27.5	0.8	2.2uF	31.5	22.5	13.0	27.5	0.8
47uF	31.5	32.0	18.0	27.5	0.8	4.7uF	32.0	24.5	15.0	27.5	0.8	3.3uF	31.5	25.5	15.0	27.5	0.8
Rated Cap.	630VDC					Rated Cap.	630VDC					Rated Cap.	630VDC				
	W	H	T	P	d		W	H	T	P	d		W	H	T	P	d
	±0.5	±0.5	±0.5	±1.0	±0.05		±0.5	±0.5	±0.5	±1.0	±0.05		±0.5	±0.5	±0.5	±1.0	±0.05
1000pF	13.0	9.0	4.0	10.0	0.6	0.047uF	18.0	11.0	5.0	15.0	0.6	0.27uF	18.0	16.0	10.0	15.0	0.8
3300pF	13.0	9.0	4.0	10.0	0.6	0.056uF	18.0	12.0	6.0	15.0	0.8	0.27uF	26.5	17.0	8.5	22.5	22.5
6800pF	13.0	9.0	4.0	10.0	0.6	0.068uF	18.0	12.0	6.0	15.0	0.8	0.33uF	18.0	18.5	11.0	15.0	0.8
8200pF	13.0	9.0	4.0	10.0	0.6	0.10uF	18.0	13.5	7.5	15.0	0.8	0.33uF	26.5	19.0	10.0	22.5	0.8
0.01uF	13.0	9.0	4.0	10.0	0.6	0.12uF	18.0	13.5	7.5	15.0	0.8	0.47uF	18.0	19.0	11.0	15.0	0.8
0.015uF	13.0	11.0	5.0	10.0	0.6	0.15uF	18.0	14.5	8.5	15.0	0.8	0.47uF	26.5	20.0	11.5	22.5	0.8
0.022uF	13.0	11.0	5.0	10.0	0.6	0.15uF	26.5	15.0	6.0	22.5	0.8	0.56uF	31.5	19.5	11.0	27.5	0.8
0.027uF	13.0	12.0	6.0	10.0	0.6	0.22uF	18.0	14.5	8.5	15.0	0.8	0.68uF	32.0	22.0	13.0	27.5	0.8
0.033uF	13.0	13.0	7.0	10.0	0.6	0.22uF	26.5	16.5	7.0	22.5	0.8	1.0uF	32.0	25.0	14.0	27.5	0.8

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