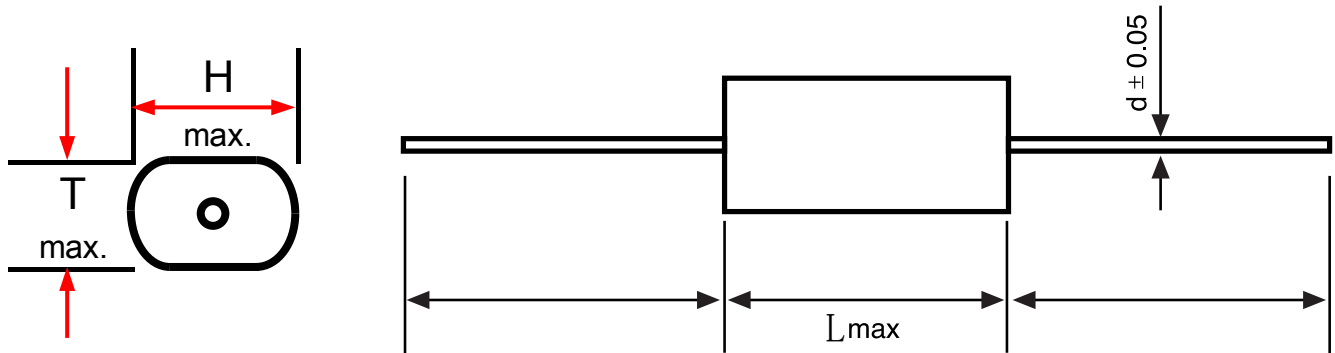


轴向金属化聚酯膜电容器 Metallized polyester film capacitor(Axial-type)

■ 外形图 Outline Drawing



■ 特点

- 金属化聚酯膜,卷绕结构
- 体积小,重量轻,自愈性能优异
- 外包装聚酯胶带纸,两端灌注环氧树脂

■ 主要用途

- 隔直,旁路和耦合(去耦)

■ 技术要求 Specifications

■ Features

- Metallized polyester film, non-inductive wound construction
- Small size, light weight, excellent self-healing property
- Wrapped with polyester adhesive tape and ends filled with Flame retardant epoxy resin

■ Typical Applications

- Suitable for blocking, by-pass ,coupling, and decoupling

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℃					
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	50/63V、100V、250V、400V、630V					
电容量范围 Capacitance Range	0.0010μF ~18.0μF					
电容量偏差 Capacitance Tolerance	± 5%(J)、± 10%(K)、± 20%(M)					
耐电压 Voltage Proof	1.6 U_R (5s)					
损耗角正切 Dissipation Factor	≤ 1.0% (20℃ ,1kHz)					
绝缘电阻 Insulation Resistance	$U_R \leq 100V$	≥ 3 750MΩ, $C_N \leq 0.33\mu F$ ≥ 1 250s, $C_N > 0.33\mu F$ (20℃ ,10V, 1min)				
	$U_R > 100V$	≥ 30 000MΩ, $C_N \leq 0.33\mu F$ ≥ 10 000s, $C_N > 0.33\mu F$ (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 .	$U_R(V)$	dV/dt (V/μs)				
		L=12.0	L=14.5	L=20.0	L=27.5	L=33.0
	50/63	6	6	2	1.5	1
	100	9	9	3	2	1
	250	20	20	8	5	2.5
	400	30	30	10	7	4
630	40	40	15	10	6	
1 000	50	50	25	12	8	

METALLIZED POLYESTER FILM CAPACITOR

尺寸 Dimensions(mm)

Rated Cap	100VDC				250VDC				400VDC				630VDC			
	L	H	T	d	L	H	T	d	L	H	T	d	L	H	T	d
	max	max	max	±0.05	max	max	max	±0.05	max	max	max	±0.05	max	max	max	±0.05
0.010uF	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6
0.015uF	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.5	4.5	0.6
0.022uF	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	9.5	5.5	0.6
0.027uF	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	10.5	5.5	0.6
0.033uF	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	8.5	4.5	0.6	20.0	8.5	5.0	0.6
0.047uF	14.0	8.0	4.5	0.6	14.0	8.0	4.5	0.6	14.0	9.0	5.0	0.6	20.0	10.0	5.5	0.6
0.068uF	14.0	8.0	4.5	0.6	14.0	8.5	4.5	0.6	19.0	8.5	5.0	0.6	20.0	11.5	6.5	0.8
0.082uF	14.0	8.0	4.5	0.6	14.0	8.5	4.5	0.6	19.0	9.0	5.0	0.6	20.0	12.0	7.0	0.8
0.10uF	14.0	8.0	4.5	0.6	14.0	8.5	4.5	0.6	19.0	10.0	5.0	0.6	20.0	13.5	7.5	0.8
0.15uF	14.0	8.0	4.5	0.6	14.0	9.0	5.0	0.6	19.0	11.5	6.5	0.6	26.0	13.5	7.5	0.8
0.18uF	14.0	8.0	5.0	0.6	14.0	10.5	5.5	0.6	19.0	12.0	7.0	0.6	26.0	14.5	8.0	0.8
0.22uF	14.0	9.0	5.0	0.6	20.0	9.0	5.0	0.6	26.0	11.5	6.5	0.8	26.0	15.5	9.0	0.8
0.27uF	14.0	9.5	5.5	0.6	20.0	9.5	5.0	0.6	26.0	13.0	6.5	0.8	26.0	16.5	10.0	0.8
0.33uF	20.0	8.0	4.5	0.6	20.0	10.0	5.0	0.6	26.0	14.0	7.5	0.8	32.0	15.5	9.5	0.8
0.47uF	20.0	9.0	5.0	0.6	26.0	11.0	5.5	0.8	26.0	15.5	9.0	0.8	32.0	18.5	10.5	0.8
0.68uF	20.0	10.5	5.5	0.6	26.0	11.5	6.5	0.8	32.0	15.5	9.0	0.8	32.0	21.5	13.0	0.8
0.82uF	20.0	11.5	6.5	0.6	26.0	12.5	6.5	0.8	32.0	16.0	10.0	0.8	37.0	21.5	14.0	0.8
1.0uF	20.0	12.0	7.0	0.6	26.0	13.5	7.0	0.8	32.0	18.5	10.5	0.8	37.0	23.5	15.0	0.8
1.2uF	26.0	11.0	7.0	0.8	32.0	12.5	6.5	0.8	37.0	17.0	11.0	0.8	37.0	25.5	16.0	0.8
1.5uF	26.0	12.0	7.0	0.8	32.0	13.5	7.5	0.8	37.0	19.0	12.5	0.8	46.0	24.0	16.0	1.0
2.2uF	26.0	14.5	8.5	0.8	32.0	16.0	8.5	0.8	37.0	23.0	15.0	0.8	46.0	28.0	19.0	1.0
2.5uF	26.0	15.0	8.5	0.8	32.0	17.0	9.0	0.8	46.0	21.5	13.0	1.0	46.0	29.5	20.0	1.0
2.7uF	26.0	15.5	9.0	0.8	32.0	17.5	9.5	0.8	46.0	22.0	14.0	1.0				
3.0uF	26.0	16.0	9.5	0.8	37.0	16.0	9.5	0.8	46.0	23.5	14.5	1.0				
3.3uF	26.0	16.5	10.0	0.8	37.0	17.5	9.5	0.8	46.0	24.0	15.0	1.0				
4.7uF	32.0	16.5	10.5	0.8	37.0	19.5	12.0	0.8	46.0	28.0	18.0	1.0				
6.8uF	32.0	20.0	11.5	0.8	37.0	23.0	15.0	0.8								
8.2uF	37.0	20.0	12.0	0.8	46.0	22.0	14.0	1.0								
10.0uF	37.0	22.0	13.0	0.8	46.0	24.5	15.5	1.0								
15.0uF	37.0	24.0	14.5	0.8	46.0	26.0	16.5	1.0								
18.0uF	46.0	23.0	13.5	1.0	46.0	29.0	18.0	1.0								

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