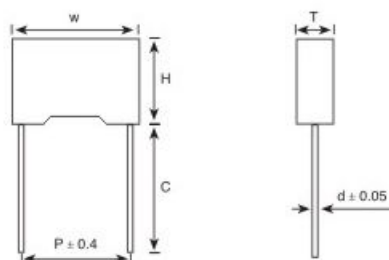


盒式金属化聚酯膜电容器

Metallized polyester film capacitor(Box-type)

■ 外形图 Outline Drawing



$W \pm 0.4, H \pm 0.4, T \pm 0.4$

■ 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	55/105/56					
额定温度 Rated Temperature	85℃					
工作温度 Operating Temperature Range	-55℃ ~ 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、1 000V					
电容量范围 Capacitance Range	0.0010μF ~ 47.0μF					
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	测试频率 Frequency	$C_N \leq 0.1\mu F$		$C_N > 0.1\mu F$		
	1kHz	≤ 1.0%		≤ 1.0%		
	10kHz	≤ 1.5%		≤ 1.5%		
	100kHz	≤ 3.0%		-		
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)				
		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	10
1 000	70	60	30	15	12	

■ 外形尺寸 Dimensions (mm)

Pattern II (Reduced sizes)

63Vdc (40Vac)					
C _N (μF)	W	H	T	P	d
0.47	10.5	8.5	3.5	7.5	0.5
0.68	10.5	9.0	4.0	7.5	0.6
1.00	10.5	11.0	5.0	7.5	0.6
1.50	10.5	12.0	6.0	7.5	0.6
1.80	10.5	12.0	6.0	7.5	0.6
0.10	13.0	9.0	4.0	10.0	0.6
0.15	13.0	9.0	4.0	10.0	0.6
0.22	13.0	9.0	4.0	10.0	0.6
0.33	13.0	9.0	4.0	10.0	0.6
0.47	13.0	9.0	4.0	10.0	0.6
0.68	13.0	9.0	4.0	10.0	0.6
1.00	13.0	9.0	4.0	10.0	0.6
1.50	13.0	11.0	5.0	10.0	0.6
1.80	13.0	12.0	6.0	10.0	0.6
2.20	13.0	12.0	6.0	10.0	0.6
0.68	17.5	11.0	5.0	15.0	0.8
1.00	17.5	11.0	5.0	15.0	0.8
1.50	17.5	11.0	5.0	15.0	0.8
1.80	17.5	11.0	5.0	15.0	0.8
2.20	17.5	11.0	5.0	15.0	0.8
3.30	17.5	12.0	6.0	15.0	0.8
4.70	17.5	13.5	7.5	15.0	0.8
6.80	17.5	14.5	8.5	15.0	0.8
10.0	17.5	19.0	11.0	15.0	0.8
3.30	26.5	16.0	7.0	22.5	0.8
4.70	26.5	16.0	7.0	22.5	0.8
6.80	26.5	16.0	7.0	22.5	0.8
10.0	26.5	17.0	8.5	22.5	0.8
15.0	26.5	20.0	11.0	22.5	0.8
4.70	32.0	18.0	9.0	27.5	0.8
6.80	32.0	18.0	9.0	27.5	0.8
10.0	32.0	18.0	9.0	27.5	0.8
15.0	32.0	18.0	9.0	27.5	0.8
22.0	32.0	22.0	13.0	27.5	0.8
33.0	32.0	24.5	15.0	27.5	0.8
47.0	32.0	30.0	16.0	27.5	0.8

100Vdc (63Vac)					
C _N (μF)	W	H	T	P	d
0.22	10.5	8.5	3.5	7.5	0.5
0.33	10.5	9.0	4.0	7.5	0.6
0.39	10.5	9.0	4.0	7.5	0.6
0.47	10.5	9.0	4.0	7.5	0.6
0.68	10.5	11.0	5.0	7.5	0.6
1.00	10.5	12.0	6.0	7.5	0.6
0.10	13.0	9.0	4.0	10.0	0.6
0.15	13.0	9.0	4.0	10.0	0.6
0.22	13.0	9.0	4.0	10.0	0.6
0.33	13.0	9.0	4.0	10.0	0.6
0.47	13.0	9.0	4.0	10.0	0.6
0.68	13.0	9.0	4.0	10.0	0.6
1.00	13.0	11.0	5.0	10.0	0.6
1.50	13.0	12.0	6.0	10.0	0.6
0.33	17.5	11.0	5.0	15.0	0.8
0.47	17.5	11.0	5.0	15.0	0.8
0.68	17.5	11.0	5.0	15.0	0.8
1.00	17.5	11.0	5.0	15.0	0.8
1.50	17.5	12.0	6.0	15.0	0.8
1.80	17.5	12.0	6.0	15.0	0.8
2.20	17.5	12.0	6.0	15.0	0.8
3.30	17.5	13.5	7.5	15.0	0.8
4.70	17.5	14.5	8.5	15.0	0.8
1.50	26.5	15.0	6.0	22.5	0.8
1.80	26.5	15.0	6.0	22.5	0.8
2.20	26.5	15.0	6.0	22.5	0.8
3.30	26.5	15.0	6.0	22.5	0.8
4.70	26.5	16.0	7.0	22.5	0.8
6.80	26.5	18.5	10.0	22.5	0.8
10.0	26.5	22.0	12.0	22.5	0.8
4.70	32.0	18.0	9.0	27.5	0.8
6.80	32.0	18.0	9.0	27.5	0.8
10.0	32.0	20.0	11.0	27.5	0.8
15.0	32.0	20.0	11.0	27.5	0.8
22.0	32.0	25.0	13.0	27.5	0.8
33.0	32.0	30.0	16.0	27.5	0.8

250Vdc(160Vac)					
C _N (μF)	W	H	T	P	d
0.068	10.5	8.5	3.5	7.5	0.5
0.100	10.5	8.5	3.5	7.5	0.5
0.150	10.5	9.0	4.0	7.5	0.6
0.180	10.5	11.0	5.0	7.5	0.6
0.220	10.5	11.0	5.0	7.5	0.6
0.270	10.5	12.0	6.0	7.5	0.6
0.330	10.5	12.0	6.0	7.5	0.6
0.033	13.0	9.0	4.0	10.0	0.6
0.047	13.0	9.0	4.0	10.0	0.6
0.068	13.0	9.0	4.0	10.0	0.6
0.100	13.0	9.0	4.0	10.0	0.6
0.150	13.0	9.0	4.0	10.0	0.6
0.220	13.0	11.0	5.0	10.0	0.6
0.330	13.0	11.0	5.0	10.0	0.6
0.390	13.0	12.0	6.0	10.0	0.6
0.470	13.0	12.0	6.0	10.0	0.6
0.100	17.5	11.0	5.0	15.0	0.8
0.150	17.5	11.0	5.0	15.0	0.8
0.220	17.5	11.0	5.0	15.0	0.8
0.330	17.5	11.0	5.0	15.0	0.8
0.470	17.5	11.0	5.0	15.0	0.8
0.680	17.5	12.0	6.0	15.0	0.8
1.000	17.5	13.5	7.5	15.0	0.8
1.500	17.5	14.5	8.5	15.0	0.8
0.220	26.5	15.0	6.0	22.5	0.8
0.470	26.5	15.0	6.0	22.5	0.8
0.680	26.5	15.0	6.0	22.5	0.8
1.000	26.5	15.0	6.0	22.5	0.8
1.500	26.5	16.0	7.0	22.5	0.8
1.800	26.5	16.0	7.0	22.5	0.8
2.200	26.5	17.0	8.5	22.5	0.8
3.300	26.5	20.0	11.0	22.5	0.8
1.500	32.0	18.0	9.0	27.5	0.8
1.800	32.0	18.0	9.0	27.5	0.8
2.200	32.0	18.0	9.0	27.5	0.8
3.300	32.0	18.0	9.0	27.5	0.8
4.700	32.0	20.0	11.0	27.5	0.8
6.800	32.0	22.0	13.0	27.5	0.8
10.00	32.0	24.5	15.0	27.5	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 II (Reduced sizes)

400Vdc (200Vac)					
C _N (μF)	W	H	T	P	d
0.022	10.5	8.5	3.5	7.5	0.5
0.033	10.5	8.5	3.5	7.5	0.5
0.047	10.5	9.0	4.0	7.5	0.6
0.068	10.5	11.0	5.0	7.5	0.6
0.082	10.5	12.0	6.0	7.5	0.6
0.100	10.5	12.0	6.0	7.5	0.6
0.010	13.0	9.0	4.0	10.0	0.6
0.015	13.0	9.0	4.0	10.0	0.6
0.022	13.0	9.0	4.0	10.0	0.6
0.033	13.0	9.0	4.0	10.0	0.6
0.047	13.0	9.0	4.0	10.0	0.6
0.056	13.0	9.0	4.0	10.0	0.6
0.068	13.0	11.0	5.0	10.0	0.6
0.100	13.0	11.0	5.0	10.0	0.6
0.150	13.0	12.0	6.0	10.0	0.6
0.047	17.5	11.0	5.0	15.0	0.8
0.068	17.5	11.0	5.0	15.0	0.8
0.100	17.5	11.0	5.0	15.0	0.8
0.150	17.5	11.0	5.0	15.0	0.8
0.220	17.5	12.0	6.0	15.0	0.8
0.330	17.5	13.5	7.5	15.0	0.8
0.470	17.5	14.5	8.5	15.0	0.8
0.560	17.5	16.0	10.0	15.0	0.8
0.680	17.5	16.0	10.0	15.0	0.8
0.220	26.5	15.0	6.0	22.5	0.8
0.330	26.5	15.0	6.0	22.5	0.8
0.470	26.5	15.0	6.0	22.5	0.8
0.680	26.5	16.0	7.0	22.5	0.8
1.000	26.5	18.50	10.0	22.5	0.8
1.500	26.5	22.0	12.0	22.5	0.8
0.680	32.0	18.0	9.0	27.5	0.8
1.000	32.0	18.0	9.0	27.5	0.8
1.500	32.0	20.0	11.0	27.5	0.8
1.800	32.0	20.0	11.0	27.5	0.8
2.200	32.0	22.0	13.0	27.5	0.8
3.300	32.0	24.5	15.0	27.5	0.8
4.700	32.0	30.0	16.0	27.5	0.8
6.800	32.0	33.0	18.0	27.5	0.8

630Vdc (220Vac) [®]					
C _N (μF)	W	H	T	P	d
0.0022	10.5	8.5	3.5	7.5	0.5
0.0047	10.5	8.5	3.5	7.5	0.5
0.0068	10.5	8.5	3.5	7.5	0.5
0.0100	10.5	8.5	3.5	7.5	0.5
0.0150	10.5	9.0	4.0	7.5	0.6
0.0220	10.5	11.0	5.0	7.5	0.6
0.0330	10.5	12.0	6.0	7.5	0.6
0.0470	10.5	12.0	6.0	7.5	0.6
0.0047	13.0	9.0	4.0	10.0	0.6
0.0068	13.0	9.0	4.0	10.0	0.6
0.0100	13.0	9.0	4.0	10.0	0.6
0.0150	13.0	9.0	4.0	10.0	0.6
0.0220	13.0	9.0	4.0	10.0	0.6
0.0330	13.0	11.0	5.0	10.0	0.6
0.0470	13.0	11.0	5.0	10.0	0.6
0.0680	13.0	12.0	6.0	10.0	0.6
0.0330	17.5	11.0	5.0	15.0	0.8
0.0470	17.5	11.0	5.0	15.0	0.8
0.0680	17.5	11.0	5.0	15.0	0.8
0.1000	17.5	12.0	6.0	15.0	0.8
0.1500	17.5	13.5	7.5	15.0	0.8
0.2200	17.5	16.0	10.0	15.0	0.8
0.3300	17.5	19.0	11.0	15.0	0.8
0.1000	26.5	15.0	6.0	22.5	0.8
0.1500	26.5	15.0	6.0	22.5	0.8
0.2200	26.5	16.0	7.0	22.5	0.8
0.3300	26.5	16.0	7.0	22.5	0.8
0.4700	26.5	17.0	8.5	22.5	0.8
0.6800	26.5	22.0	12.0	22.5	0.8
0.3300	32.0	18.0	9.0	27.5	0.8
0.4700	32.0	18.0	9.0	27.5	0.8
0.6800	32.0	20.0	11.0	27.5	0.8
1.0000	32.0	20.0	11.0	27.5	0.8

1000Vdc(300Vac)					
C _N (μF)	W	H	T	P	d
0.0010	10.5	8.5	3.5	7.5	0.5
0.0015	10.5	8.5	3.5	7.5	0.5
0.0022	10.5	8.5	3.5	7.5	0.5
0.0033	10.5	8.5	3.5	7.5	0.5
0.0047	10.5	8.5	3.5	7.5	0.5
0.0068	10.5	9.0	4.0	7.5	0.6
0.0100	10.5	11.0	5.0	7.5	0.6
0.0150	10.5	12.0	6.0	7.5	0.6
0.0010	13.0	9.0	4.0	10.0	0.6
0.0015	13.0	9.0	4.0	10.0	0.6
0.0022	13.0	9.0	4.0	10.0	0.6
0.0033	13.0	9.0	4.0	10.0	0.6
0.0047	13.0	9.0	4.0	10.0	0.6
0.0056	13.0	9.0	4.0	10.0	0.6
0.0068	13.0	9.0	4.0	10.0	0.6
0.0100	13.0	9.0	4.0	10.0	0.6
0.0150	13.0	11.0	5.0	10.0	0.6
0.0220	13.0	11.0	5.0	10.0	0.6
0.0100	17.5	11.0	5.0	15.0	0.8
0.0150	17.5	11.0	5.0	15.0	0.8
0.0220	17.5	11.0	5.0	15.0	0.8
0.0330	17.5	12.0	6.0	15.0	0.8
0.0470	17.5	12.0	6.0	15.0	0.8
0.0680	17.5	13.5	7.5	15.0	0.8
0.1000	17.5	14.5	8.5	15.0	0.8
0.0330	26.5	15.0	6.0	22.5	0.8
0.0470	26.5	15.0	6.0	22.5	0.8
0.0680	26.5	15.0	6.0	22.5	0.8
0.1000	26.5	15.0	6.0	22.5	0.8
0.1500	26.5	16.0	7.0	22.5	0.8
0.2200	26.5	17.0	8.5	22.5	0.8
0.3300	26.5	20.0	11.0	22.5	0.8
0.1500	32.0	18.0	9.0	27.5	0.8
0.2200	32.0	18.0	9.0	27.5	0.8
0.3300	32.0	20.0	11.0	27.5	0.8
0.4700	32.0	20.0	11.0	27.5	0.8
0.6800	32.0	28.0	14.0	27.5	0.8
1.0000	32.0	30.0	16.0	27.5	0.8
1.5000	32.0	37.0	22.0	27.5	0.8

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