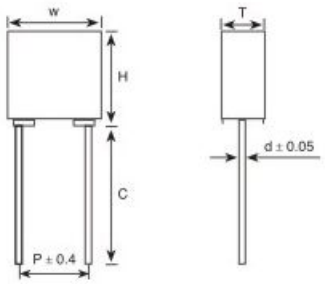
盒式金属化聚酯膜叠片式电容器(P=5.0)
Box-type metallized polyester film capacitor(Stacked version)

■ 外形图 Outline Drawing



■ 特点

- 金属化聚酯膜，叠片式结构
- 塑料外壳（UL94 V-0），环氧填充
- 抗脉冲能力强

■ Features

- Metallized polyester film, stacked construction
- Plastic case（UL94 V-0），Epoxy resin sealing
- High dv/dt ability

■ 主要用途：

- 旁路，隔直，耦合，退耦
- 脉冲，逻辑，定时，紧凑型节能灯
- LCD监视器整流，汽车直流马达抑制干扰

■ Typical Applications:

- By-passing,blocking,coupling,decoupling
- Pulse logic,timing, compact fluorescent lamps
- Inverter for LCD monitors,automative DC motor suppression

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 7332(IEC 60384-2)		
气候类别 Climatic Category	55/125/56		
额定温度 Rated Temperature	85℃		
工作温度 Operating Temperature Range	-55℃ ~ 125℃ (+85℃ to +125℃：decreasing factor 1.25% per ℃ for U_R (dc))		
额定电压 Rated Voltage	50/63V、100V、250V、400V、500V、630V、700V		
电容量范围 Capacitance Range	0.0010μF ~ 2.2μF		
电容量偏差 Capacitance Tolerance	±5%(J)、±10%(K)、±20%(M)		
耐电压 Voltage Proof	1.4U_R（5s）		
损耗角正切 Dissipation Factor	Frequency	$C_N \leqslant 0.1\mu F$	$C_N > 0.1\mu F$
	1kHz	≤ 1.0%	≤ 1.0%
	10kHz	≤ 1.5%	≤ 1.5%
	100kHz	≤ 3.0%	–
绝缘电阻 Insulation Resistance	$U_R > 100V$	≥ 30 000MΩ，$C_N \leqslant 0.33\mu F$ ≥ 10 000s，$C_N > 0.33\mu F$	(20℃ ,100V,1min)
	$U_R \leqslant 100V$	≥ 15 000MΩ，$C_N \leqslant 0.33\mu F$ ≥ 5 000s，$0.33\mu F < C_N \leqslant 1\mu F$ ≥ 1 000s，$C_N > 1\mu F$	(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(UR),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)	
	pattern I	pattern II
50/63	250	75
100	300	85
250	400	100
400	600	150
500	700	200
630	800	
700	–	250

■ 外形尺寸 Dimensions（mm）

电容器厚度（Capacitor Thickness）T	≤ 3.5	>3.5
外形尺寸偏差 Dimension Tolerance (W, H, T)	± 0.2	± 0.4

Pattern II（Reduced sizes）

50Vdc (30Vac)/63Vdc(40Vac)#					
C_N (μF)	W	H	T	P	d
0.15	7.2	6.5	2.5	5.0	0.5
0.18	7.2	6.5	2.5	5.0	0.5
0.22	7.2	6.5	2.5	5.0	0.5
0.27	7.2	6.5	2.5	5.0	0.5
0.33	7.2	7.5	3.5	5.0	0.5
0.39	7.2	7.5	3.5	5.0	0.5
0.47	7.2	7.5	3.5	5.0	0.5
0.56	7.2	9.5	4.5	5.0	0.6
0.68	7.2	9.5	4.5	5.0	0.6
0.82	7.2	9.5	4.5	5.0	0.6
1.00	7.2	10.0	5.0	5.0	0.6
1.50	7.2	11.0	6.0	5.0	0.6
2.20	7.2	11.0	6.0	5.0	0.6

100Vdc(63Vac)					
C_N (μF)	W	H	T	P	d
0.10	7.2	6.5	2.5	5.0	0.5
0.12	7.2	6.5	2.5	5.0	0.5
0.15	7.2	7.5	3.5	5.0	0.5
0.18	7.2	7.5	3.5	5.0	0.5
0.22	7.2	7.5	3.5	5.0	0.5
0.27	7.2	9.5	4.5	5.0	0.6
0.33	7.2	9.5	4.5	5.0	0.6
0.39	7.2	9.5	4.5	5.0	0.6
0.47	7.2	10.0	5.0	5.0	0.6
0.56	7.2	10.0	5.0	5.0	0.6
0.68	7.2	11.0	6.0	5.0	0.6
0.82	7.2	11.0	6.0	5.0	0.6
1.00	7.2	11.0	6.0	5.0	0.6

250Vdc(140Vac)					
C_N (μF)	W	H	T	P	d
0.022	7.2	6.5	2.5	5.0	0.5
0.027	7.2	6.5	2.5	5.0	0.5
0.033	7.2	6.5	2.5	5.0	0.5
0.039	7.2	7.5	3.5	5.0	0.5
0.047	7.2	7.5	3.5	5.0	0.5
0.056	7.2	7.5	3.5	5.0	0.5
0.068	7.2	7.5	3.5	5.0	0.5
0.082	7.2	9.5	4.5	5.0	0.6
0.100	7.2	9.5	4.5	5.0	0.6
0.120	7.2	9.5	4.5	5.0	0.6
0.150	7.2	10.0	5.0	5.0	0.6
0.180	7.2	11.0	6.0	5.0	0.6
0.220	7.2	11.0	6.0	5.0	0.6

400Vdc (160Vac)					
C_N (μF)	W	H	T	P	d
0.0056	7.2	6.5	2.5	5.0	0.5
0.0068	7.2	6.5	2.5	5.0	0.5
0.0082	7.2	6.5	2.5	5.0	0.5
0.0100	7.2	6.5	2.5	5.0	0.5
0.0120	7.2	6.5	2.5	5.0	0.5
0.0150	7.2	7.5	3.5	5.0	0.5
0.0180	7.2	7.5	3.5	5.0	0.5
0.0220	7.2	7.5	3.5	5.0	0.5
0.0270	7.2	7.5	3.5	5.0	0.5
0.0330	7.2	9.5	4.5	5.0	0.6
0.0390	7.2	9.5	4.5	5.0	0.6
0.0470	7.2	9.5	4.5	5.0	0.6
0.0510	7.2	10.0	5.0	5.0	0.6
0.0560	7.2	11.0	6.0	5.0	0.6
0.0680	7.2	11.0	6.0	5.0	0.6
0.0820	7.2	11.0	6.0	5.0	0.6
0.1000	7.2	11.0	6.0	5.0	0.6

500/630Vdc (220Vac)#					
C_N (μF)	W	H	T	P	d
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	6.5	2.5	5.0	0.5
0.0039	7.2	6.5	2.5	5.0	0.5
0.0047	7.2	6.5	2.5	5.0	0.5
0.0056	7.2	7.5	3.5	5.0	0.5
0.0068	7.2	7.5	3.5	5.0	0.5
0.0082	7.2	7.5	3.5	5.0	0.5
0.0100	7.2	7.5	3.5	5.0	0.5
0.0120	7.2	9.5	4.5	5.0	0.6
0.0150	7.2	9.5	4.5	5.0	0.6
0.0180	7.2	9.5	4.5	5.0	0.6
0.0220	7.2	10.0	5.0	5.0	0.6
0.0270	7.2	11.0	6.0	5.0	0.6
0.0330	7.2	11.0	6.0	5.0	0.6

700Vdc (250Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	7.5	3.5	5.0	0.5
0.0039	7.2	7.5	3.5	5.0	0.5
0.0047	7.2	7.5	3.5	5.0	0.5
0.0056	7.2	7.5	3.5	5.0	0.5
0.0068	7.2	7.5	3.5	5.0	0.5
0.0082	7.2	9.5	4.5	5.0	0.6
0.0100	7.2	9.5	4.5	5.0	0.6
0.0120	7.2	9.5	4.5	5.0	0.6
0.0150	7.2	10.0	5.0	5.0	0.6
0.0180	7.2	10.0	5.0	5.0	0.6
0.0220	7.2	11.0	6.0	5.0	0.6

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

Pattern I（High performance）

50Vdc (30Vac)/63Vdc (40Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	6.5	2.5	5.0	0.5
0.0039	7.2	6.5	2.5	5.0	0.5
0.0047	7.2	6.5	2.5	5.0	0.5
0.0056	7.2	6.5	2.5	5.0	0.5
0.0068	7.2	6.5	2.5	5.0	0.5
0.0082	7.2	6.5	2.5	5.0	0.5
0.0100	7.2	6.5	2.5	5.0	0.5
0.0120	7.2	6.5	2.5	5.0	0.5
0.0150	7.2	6.5	2.5	5.0	0.5
0.0180	7.2	6.5	2.5	5.0	0.5
0.0220	7.2	6.5	2.5	5.0	0.5
0.0270	7.2	6.5	2.5	5.0	0.5
0.0330	7.2	6.5	2.5	5.0	0.5
0.0390	7.2	6.5	2.5	5.0	0.5
0.0470	7.2	6.5	2.5	5.0	0.5
0.0560	7.2	6.5	2.5	5.0	0.5
0.0680	7.2	6.5	2.5	5.0	0.5
0.0820	7.2	6.5	2.5	5.0	0.5
0.1000	7.2	6.5	2.5	5.0	0.5
0.1200	7.2	6.5	2.5	5.0	0.5
0.1500	7.2	7.5	3.5	5.0	0.5
0.1800	7.2	7.5	3.5	5.0	0.5
0.2200	7.2	7.5	3.5	5.0	0.5
0.2700	7.2	9.5	4.5	5.0	0.6
0.3300	7.2	9.5	4.5	5.0	0.6
0.3900	7.2	9.5	4.5	5.0	0.6
0.4700	7.2	10.0	5.0	5.0	0.6
0.5600	7.2	10.0	5.0	5.0	0.6
0.6800	7.2	11.0	6.0	5.0	0.6
0.8200	7.2	11.0	6.0	5.0	0.6
1.0000	7.2	11.0	6.0	5.0	0.6

100Vdc (63Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	6.5	2.5	5.0	0.5
0.0039	7.2	6.5	2.5	5.0	0.5
0.0047	7.2	6.5	2.5	5.0	0.5
0.0056	7.2	6.5	2.5	5.0	0.5
0.0068	7.2	6.5	2.5	5.0	0.5
0.0082	7.2	6.5	2.5	5.0	0.5
0.0100	7.2	6.5	2.5	5.0	0.5
0.0120	7.2	6.5	2.5	5.0	0.5
0.0150	7.2	6.5	2.5	5.0	0.5
0.0180	7.2	6.5	2.5	5.0	0.5
0.0220	7.2	6.5	2.5	5.0	0.5
0.0270	7.2	6.5	2.5	5.0	0.5
0.0330	7.2	6.5	2.5	5.0	0.5
0.0390	7.2	6.5	2.5	5.0	0.5
0.0470	7.2	6.5	2.5	5.0	0.5
0.0560	7.2	6.5	2.5	5.0	0.5
0.0680	7.2	6.5	2.5	5.0	0.5
0.0820	7.2	6.5	2.5	5.0	0.5
0.1000	7.2	7.5	3.5	5.0	0.5
0.1200	7.2	9.5	4.5	5.0	0.6
0.1500	7.2	9.5	4.5	5.0	0.6
0.1800	7.2	9.5	4.5	5.0	0.6
0.2200	7.2	10.0	5.0	5.0	0.6
0.2700	7.2	10.0	5.0	5.0	0.6
0.3300	7.2	11.0	6.0	5.0	0.6
0.3900	7.2	11.0	6.0	5.0	0.6
0.4700	7.2	11.0	6.0	5.0	0.6
0.5600	7.2	11.0	6.0	5.0	0.6

250Vdc (160Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	6.5	2.5	5.0	0.5
0.0039	7.2	6.5	2.5	5.0	0.5
0.0047	7.2	6.5	2.5	5.0	0.5
0.0056	7.2	6.5	2.5	5.0	0.5
0.0068	7.2	6.5	2.5	5.0	0.5
0.0082	7.2	6.5	2.5	5.0	0.5
0.0100	7.2	6.5	2.5	5.0	0.5
0.0120	7.2	6.5	2.5	5.0	0.5
0.0150	7.2	6.5	2.5	5.0	0.5
0.0180	7.2	6.5	2.5	5.0	0.5
0.0220	7.2	7.5	3.5	5.0	0.5
0.0270	7.2	7.5	3.5	5.0	0.5
0.0330	7.2	7.5	3.5	5.0	0.5
0.0390	7.2	7.5	3.5	5.0	0.5
0.0470	7.2	9.5	4.5	5.0	0.6
0.0560	7.2	9.5	4.5	5.0	0.6
0.0680	7.2	9.5	4.5	5.0	0.6
0.0820	7.2	10.0	5.0	5.0	0.6
0.1000	7.2	10.0	5.0	5.0	0.6
0.1200	7.2	11.0	6.0	5.0	0.6
0.1500	7.2	11.0	6.0	5.0	0.6

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

Pattern I（High performance）

400Vdc (200Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	6.5	2.5	5.0	0.5
0.0039	7.2	6.5	2.5	5.0	0.5
0.0047	7.2	6.5	2.5	5.0	0.5
0.0056	7.2	7.5	3.5	5.0	0.5
0.0068	7.2	7.5	3.5	5.0	0.5
0.0082	7.2	7.5	3.5	5.0	0.5
0.0100	7.2	7.5	3.5	5.0	0.5
0.0120	7.2	9.5	4.5	5.0	0.6
0.0150	7.2	9.5	4.5	5.0	0.6
0.0180	7.2	9.5	4.5	5.0	0.6
0.0220	7.2	10.0	5.0	5.0	0.6
0.0270	7.2	11.0	6.0	5.0	0.6
0.0330	7.2	11.0	6.0	5.0	0.6
0.0390	7.2	11.0	6.0	5.0	0.6
0.0470	7.2	11.0	6.0	5.0	0.6

500Vdc (220Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	6.5	2.5	5.0	0.5
0.0022	7.2	6.5	2.5	5.0	0.5
0.0027	7.2	6.5	2.5	5.0	0.5
0.0033	7.2	7.5	3.5	5.0	0.5
0.0039	7.2	7.5	3.5	5.0	0.5
0.0047	7.2	7.5	3.5	5.0	0.5
0.0056	7.2	7.5	3.5	5.0	0.5
0.0068	7.2	9.5	4.5	5.0	0.6
0.0082	7.2	9.5	4.5	5.0	0.6
0.0100	7.2	9.5	4.5	5.0	0.6
0.0120	7.2	9.5	4.5	5.0	0.6
0.0150	7.2	10.0	5.0	5.0	0.6
0.0180	7.2	11.0	6.0	5.0	0.6
0.0220	7.2	11.0	6.0	5.0	0.6
0.0270	7.2	11.0	6.0	5.0	0.6

630Vdc (220Vac)					
C_N (μF)	W	H	T	P	d
0.0010	7.2	6.5	2.5	5.0	0.5
0.0012	7.2	6.5	2.5	5.0	0.5
0.0015	7.2	6.5	2.5	5.0	0.5
0.0018	7.2	7.5	3.5	5.0	0.5
0.0022	7.2	7.5	3.5	5.0	0.5
0.0027	7.2	7.5	3.5	5.0	0.5
0.0033	7.2	7.5	3.5	5.0	0.5
0.0039	7.2	7.5	3.5	5.0	0.5
0.0047	7.2	9.5	4.5	5.0	0.6
0.0056	7.2	9.5	4.5	5.0	0.6
0.0068	7.2	9.5	4.5	5.0	0.6
0.0082	7.2	9.5	4.5	5.0	0.6
0.0100	7.2	10.0	5.0	5.0	0.6
0.0120	7.2	11.0	6.0	5.0	0.6
0.0150	7.2	11.0	6.0	5.0	0.6
0.0180	7.2	11.0	6.0	5.0	0.6

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