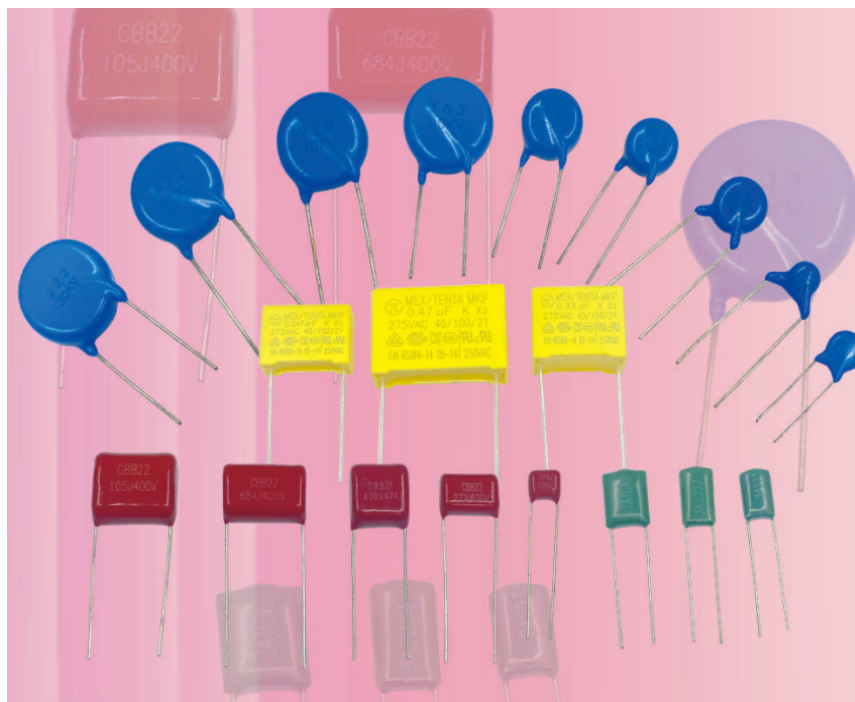


VDK 电容器

VDK CAPACITOR



优良品质 · 诚信经营

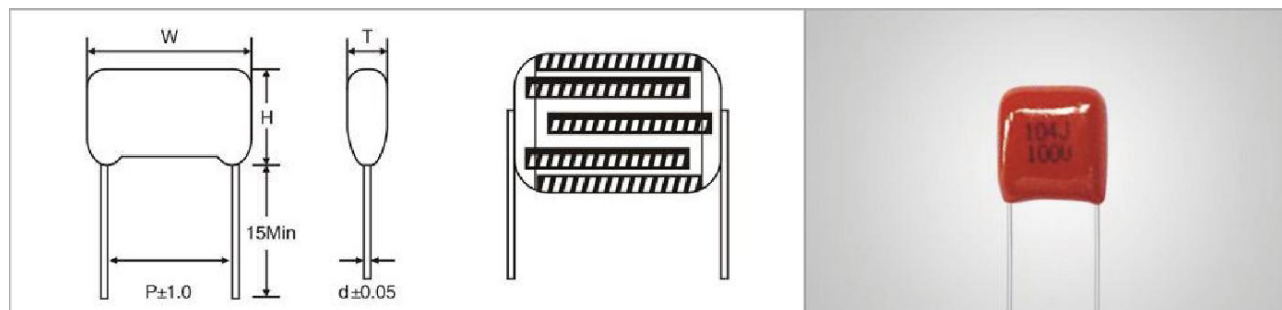
一起携手 · 共创辉煌

小型金属化聚酯薄膜电容器 CL21X

MINIATURIZED METALLIZED POLYESTER FILM CAPACITOR (MES)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 体积小
- 自愈性好, 可靠性高
- 损耗小
- 可以系列径向编带
- 阻燃性环氧粉末包封, 外观一致性好, 安全性高
- 旁路, 隔直 耦合, 退耦
- 逻辑, 定时线路
- LCR 监视器整流, 汽车直流马达抑制干扰
- Small size
- Excellent self-healing property and reliability
- Low dissipation factor
- Available for automatic insertion
- Epoxy resin powder coating provides safety. the identical outer appearance
- By-passing, blocking, coupling, decoupling
- Pulse logic, timing circuits
- Invert for LCR monitors, automotive DC motor suppression

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 73321(IEC 60384-2)
气候类别 Climatic Category	55/105/21
额定温度 Rated Temperature	+85°C
工作温度范围 Rated temperature Range	-55°C~+105°C (+85°C to +105°C; decreasing factor 1.25% per °C for V_R (DC))
额定电压 Rated Voltage	50/63VDC, 100VDC, 250VDC, 400VDC
电容量范围 Capacitance Range	0.001 μ F~1.5 μ F
电容量偏差 Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K)
耐电压 Voltage Proof	1.6 U_R (5S)
损耗角正切 Dissipation Factor	$\leq 10 \times 10^{-3}$ (+20°C, 1KHZ)
绝缘电阻 Insulation Resistance	$\geq 15,000M\Omega$, $C_R \leq 0.33\mu F$, $\geq 5,000S$, $C_R > 0.33\mu F$ (20°C 100V, 1min)

说明 NOTE

1. 电容器的工作电压随温度上升而下降, 在+85~+105°C 之间, 以+85°C 为基准, 环境温度每上升 1°C, 电容器的额定工作电压应降低 1.25%
2. 电容器的工作频率随着随电容量的增大而降低
1. The working voltage of the capacitor decreases as the temperature rises; Between +85~+105°C, take +85°C as the base, the temperature rises 1°C, the rated working voltage of the capacitance will decrease 1.25%
2. The frequency of working voltage is decreases as capacitance increases

外型尺寸
DIMENSION

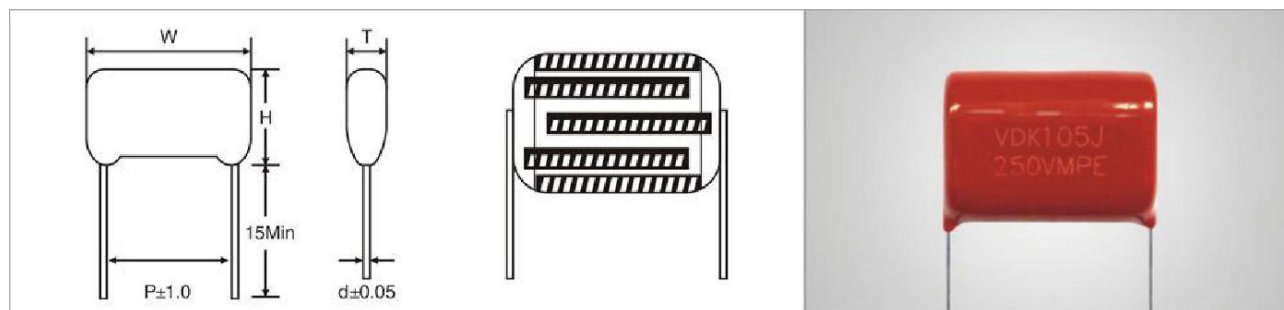
Unit:mm

电容量 uF	50/63VDC					100VDC					250VDC					400VDC				
	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.001	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.6	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0012	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0015	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0018	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0022	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0027	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0033	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0039	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0047	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0056	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0068	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.0082	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5
0.01	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.5	4.0	5.0	0.5
0.012	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	7.5	4.0	5.0	0.5
0.015	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	7.5	4.0	5.0	0.5
0.018	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	8.0	4.0	5.0	0.5	7.3	8.5	4.5	5.0	0.5
0.022	7.3	6.0	3.5	5.0	0.5	7.3	6.0	3.5	5.0	0.5	7.3	7.5	5.0	5.0	0.5					
0.027	7.3	6.0	3.5	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	8.0	5.0	5.0	0.5					
0.033	7.3	6.0	4.0	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	8.0	5.0	5.0	0.5					
0.039	7.3	6.0	4.0	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	8.0	5.0	5.0	0.5					
0.047	7.3	6.0	4.0	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	8.5	5.0	5.0	0.5					
0.056	7.3	6.0	4.0	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	8.5	5.5	5.0	0.5					
0.068	7.3	6.0	4.0	5.0	0.5	7.3	7.0	4.0	5.0	0.5	7.3	9.0	6.0	5.0	0.5					
0.082	7.3	7.0	4.0	5.0	0.5	7.3	7.0	4.0	5.0	0.5										
0.10	7.3	7.5	4.5	5.0	0.5	7.3	7.5	4.5	5.0	0.5										
0.12	7.3	7.5	4.5	5.0	0.5	7.3	7.5	4.5	5.0	0.5										
0.15	7.3	7.5	4.5	5.0	0.5	7.3	7.5	4.5	5.0	0.5										
0.18	7.3	7.5	4.5	5.0	0.5	7.3	7.5	4.5	5.0	0.5										
0.22	7.3	7.5	4.5	5.0	0.5	7.3	7.5	4.5	5.0	0.5										
0.27	7.3	8.0	5.0	5.0	0.5	7.3	8.0	5.0	5.0	0.5										
0.33	7.3	8.0	5.0	5.0	0.5	7.3	8.0	5.0	5.0	0.5										
0.39	7.3	8.0	5.0	5.0	0.5	7.3	8.0	5.0	5.0	0.5										
0.47	7.3	8.5	5.0	5.0	0.5	7.3	8.5	5.0	5.0	0.5										
0.56	7.3	9.0	5.5	5.0	0.5	7.3	9.0	5.5	5.0	0.5										
0.68	7.3	10.0	6.0	5.0	0.5	7.3	10.0	6.0	5.0	0.5										
0.82	7.3	10.0	6.0	5.0	0.5	7.3	10.5	6.5	5.0	0.5										
1.0	7.3	10.0	6.0	5.0	0.5	7.3	11.0	7.0	5.0	0.5										
1.2	7.3	10.0	6.5	5.0	0.5	7.3	11.5	8.0	5.0	0.5										
1.5	7.3	10.0	7.0	5.0	0.5															

金属化聚酯薄膜电容器 CL21

METALLIZED POLYESTER FILM CAPACITOR (MPE)

外型图 OUTLINE DRAWING



产品特点 FEATURES

- 体积小，重量轻，容量范围广
- 自愈性好，可靠性高，寿命长
- 阻燃性环氧粉末包封，外观一致性好，安全性高
- 主要适用于直流和 VHF 级信号的隔直流、旁路和耦合
- 广泛应用于波和低脉冲电路
- Small size and light weight, wide capacitance
- Long life and high reliability due to self-healing effect
- Epoxy resin powder coating provides safety, the identical outer appearance
- Suitable for blocking, by-pass and coupling of DC and signals to VHF range
- Widely used in filter and lower 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	55/105/21	
额定温度 Rated Temperature	+85°C	
工作温度范围 Rated temperature Range	-55°C~+105°C (+85°C to +105°C; decreasing factor 1.25% per °C for $V_R(DC)$)	
额定电压 Rated Voltage	50/63VDC(40VAC), 100VDC(63VAC), 250VDC(160VAC), 400/450VDC(200VAC), 630VDC(220VAC)	
电容量范围 Capacitance Range	0.01μF~10.0μF	
电容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)	
耐电压 Voltage Proof	1.6 U_R (5S)	
损耗角正切 Dissipation Factor	≤10×10 ⁻³ (+20°C, 1KHZ)	
绝缘电阻 Insulation Resistance	$U_R \leq 100V$	≥15,000MΩ, $C_R \leq 0.33\mu F$; ≥5,000s, $C_R > 0.33\mu F$ (20°C 100V, 1min)
	$U_R > 100V$	≥30,000MΩ, $C_R \leq 0.33\mu F$; ≥10,000s, $C_R > 0.33\mu F$ (20°C 100V, 1min)

说明 NOTE

1. 额定电压中的交流电压的工作频率是 50Hz，电容器的工作电压随频率上升而下降
 2. 电容器的工作电压随温度上升而下降，在+85~+105°C 之间，以+85°C 为基准，环境温度每上升 1°C，电容器的额定工作电压应降低 1.25%
 3. 电容器的工作频率随着随电容量的增大而降低
1. The frequency of the alternating current in the rated voltage is 50Hz, the working voltage of the capacitor decreases as the frequency increases
 2. The working voltage of the capacitor decreases as the temperature rises; Between +85~+105°C. take +85°C as the base, the temperature rises 1°C, the rated working voltage of the capacitance will decrease 1.25%
 3. The frequency of working voltage is decreases as capacitance increases

外型尺寸
DIMENSION

Unit:mm

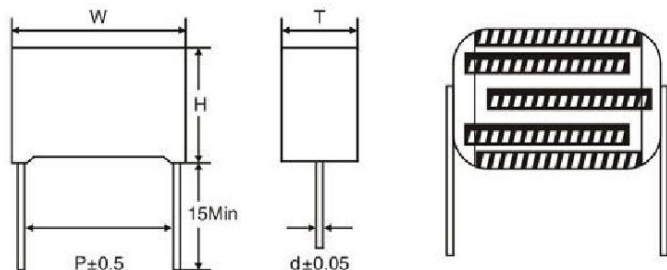
电容量 uF	50/63VDC					250VDC					400/450VDC					630VDC				
	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.01	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	13.0	9.0	5.0	10.0	0.6
0.012	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	9.0	5.0	10.0	0.6
0.015	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	9.5	5.5	10.0	0.6
0.018	10.0	10.5	6.5	7.5	0.6	10.0	10.5	6.5	7.5	0.6	10.0	10.5	6.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6
0.022	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6
0.027	10.0	10.0	5.5	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	10.5	6.5	10.0	0.6
0.033	10.0	9.0	5.0	7.5	0.6	10.0	9.0	5.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	11.0	7.0	10.0	0.6
0.039	10.0	9.5	5.0	7.5	0.6	10.0	9.5	5.0	7.5	0.6	10.0	10.5	6.5	7.5	0.6	13.0	11.5	7.0	10.0	0.6
0.047	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	10.0	11.0	7.0	7.5	0.6	13.0	13.0	7.0	10.0	0.6
0.056	10.0	10.0	5.5	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	11.0	6.0	10.0	0.6	18.0	10.0	6.0	15.0	0.6
0.068	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	13.0	11.5	6.5	10.0	0.6	18.0	10.0	6.5	15.0	0.6
0.082	10.0	9.5	6.0	7.5	0.6	10.0	9.5	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.0	11.5	6.5	15.0	0.6
0.1	10.0	9.0	5.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.0	13.0	7.0	15.0	0.6
0.12	10.0	9.0	5.0	7.5	0.6	10.0	10.5	6.5	7.5	0.6	13.0	13.0	8.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8
0.15	10.0	9.0	5.0	7.5	0.6	10.0	11.0	7.0	7.5	0.6	13.0	13.5	8.5	10.0	0.6	18.0	15.0	8.0	15.0	0.8
0.18	10.0	9.5	5.5	7.6	0.6	10.0	11.0	6.0	10.0	0.6	13.0	14.5	8.5	10.0	0.6	18.0	15.0	9.0	15.0	0.8
0.22	10.0	10.0	6.0	7.5	0.6	13.0	11.5	6.5	10.0	0.6	18.0	14.0	8.0	15.0	0.6	18.0	17.0	11.0	15.0	0.8
0.27	10.0	10.0	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	18.0	14.5	9.0	15.0	0.6	23.0	17.0	10.0	20.0	0.8
0.33	13.0	10.5	6.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.0	15.0	9.5	15.0	0.8	23.0	18.0	10.5	20.0	0.8
0.39	13.0	11.0	6.0	10.0	0.6	18.0	12.5	6.5	15.0	0.6	18.0	16.0	10.0	15.0	0.8	23.0	19.0	11.5	20.0	0.8
0.47	13.0	11.5	6.5	10.0	0.6	18.0	13.0	7.0	15.0	0.8	18.0	17.0	11.0	15.0	0.8	23.0	20.0	12.0	20.0	0.8
0.56	13.0	12.0	7.0	10.0	0.6	18.0	13.0	7.5	15.0	0.8	23.0	16.0	10.0	20.0	0.8	30.0	18.5	10.0	27.5	0.8
0.68	18.0	12.0	6.5	15.0	0.6	18.0	14.0	8.0	15.0	0.8	23.0	17.0	10.0	20.0	0.8	30.0	19.5	11.0	27.5	0.8
0.82	18.0	13.0	7.0	15.0	0.6	18.0	14.5	9.0	15.0	0.8	23.0	18.0	12.0	20.0	0.8	30.0	21.5	11.0	27.5	0.8
1.0	18.0	13.0	7.5	15.0	0.8	18.0	15.0	9.5	15.0	0.8	25.0	21.5	11.0	22.5	0.8	30.0	23.5	13.0	27.5	0.8
1.2	18.0	14.0	8.0	15.0	0.8	23.0	14.5	9.0	20.0	0.8	25.0	21.5	12.0	22.5	0.8	30.0	24.0	13.5	27.5	0.8
1.5	18.0	14.5	9.0	15.0	0.8	23.0	15.0	9.5	20.0	0.8	30.0	23.0	12.0	27.5	0.8	30.0	27.0	15.0	27.5	0.8
1.8	18.0	15.0	9.5	15.0	0.8	23.0	17.0	10.0	20.0	0.8	33.0	23.0	12.0	30.0	0.8	33.0	28.0	15.0	30.0	0.8
2.2	23.0	15.5	8.5	20.0	0.8	23.0	18.0	10.5	20.0	0.8	33.0	24.0	13.5	30.0	0.8	33.0	30.0	16.0	30.0	0.8
2.7	23.0	16.0	9.0	20.0	0.8	23.0	19.0	12.0	20.0	0.8	33.0	24.0	15.0	30.0	0.8					
3.3	23.0	17.0	10.0	20.0	0.8	30.0	20.0	12.0	27.5	0.8	33.0	25.5	17.0	30.0	0.8					
3.9	23.0	18.0	10.5	20.0	0.8	30.0	23.0	12.5	27.5	0.8	33.0	27.0	18.0	30.0	0.8					
4.7	25.0	21.0	10.0	22.5	0.8	30.0	24.0	13.5	27.5	0.8	30.0	29.0	20.0	30.0	0.8					
5.6	30.0	19.0	10.5	27.5	0.8	33.0	24.5	13.5	30.0	0.8										
6.8	30.0	21.0	11.0	27.5	0.8	33.0	22.5	14.0	30.0	0.8										
8.2	30.0	22.0	11.5	27.5	0.8	33.0	24.0	15.0	30.0	0.8										
10.0	30.0	23.5	13.0	30.0	0.3	33.0	25.5	16.5	30.0	0.8										

塑料外盒金属化聚酯薄膜电容器 CL23

BOX TYPE METALLIZED POLYESTER FILM CAPACITOR (MEB)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 可靠性高
- 朔料外盒封装，外 观一致性好
- High reliability
- Box type provides the identical outer appearance

技术要求

SPECIFICATIONS

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°C		
工作温度范围 Rated temperature Range	-55°C~+105°C (+85°C to +105°C; decreasing factor 1.25% per C for V _R (DC)		
额定电压 Rated Voltage	63VDC, 100VDC, 250VDC, 400VDC, 630VDC		
电容量范围 Capacitance Range	0.01μF~2.2μF		
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	≤10x10 ⁻³	≤10x10 ⁻³
	10KHZ	≤15x10 ⁻³	≤15x10 ⁻³
	100KHZ	≤30x10 ⁻³	
绝缘电阻 Insulation Resistance	U _R ≤100V	≥15,000MΩ , C _R ≤0.33μF; ≥5,000s, C _R >0.33μF (20°C 100V,1min)	
	U _R >100V	≥30,000MΩ , C _R ≤0.33μF; ≥10,000s, C _R >0.33μF (20°C 100V,1min)	
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	U _R (V)	Dv/dt(V/us)	
		P=7.5	P=10.0
	63	5	6
	100	6	9
	250	15	20
	400	30	30
	630	40	40
			P=15.0
			2
			3
			12
			20
			25

说明 NOTE

- 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，dv/dt 最大值应为上表值乘以 U_R/U
- UR/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 above value with U_R/U

外型尺寸
DIMENSION
P=7.5 Unit:mm

电容器厚度(Capacitor Thickness)T					≤3.5					≥3.5										
引出线直径(Lead Wire Diameter)d±0.05					0.5					0.6										
外型尺寸偏差(Dimension Tolerance:W,H,T)					W+0.4/-0.7, H±0.4, T±0.4															
电容量 uF	63VDC(30VAC)				100VDC(63VAC)				250VDC(160VAC)				400VDC(200VAC)				630VDC(220VAC)			
	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P
0.001	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5
0.0015	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5
0.0022	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5
0.0033	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5
0.0047	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5
0.0068	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5
0.010	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	9.0	4.0	7.5
0.015	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5	10.5	11.0	5.0	7.5
0.022	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5	10.5	12.0	6.0	7.5
0.033	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.5	9.0	4.0	7.5				
0.047	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	8.5	3.5	7.5	10.5	11.0	5.0	7.5				
0.068	10.0	7.0	2.5	7.5	10.0	7.0	2.5	7.5	10.0	8.5	3.5	7.5	10.5	11.0	5.0	7.5				
0.10	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5	10.5	9.0	4.0	7.5	10.5	12.0	6.0	7.5				
0.15	10.0	7.0	2.5	7.5	10.5	8.5	3.5	7.5	10.5	11.0	5.0	7.5								
0.22	10.5	8.5	3.5	7.5	10.5	9.0	4.0	7.5	10.5	12.0	6.0	7.5								
0.33	10.5	8.5	3.5	7.5	10.5	11.0	5.0	7.5												
0.47	10.5	9.0	4.0	7.5	10.5	12.0	6.0	7.5												
0.68	10.5	11.0	5.0	7.5																
1.0	10.5	12.0	6.0	7.5																

P=10.15 Unit:mm

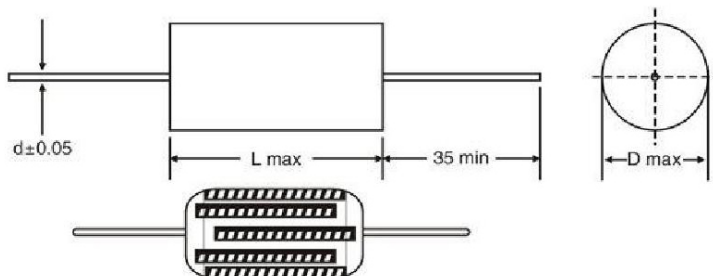
电容器厚度(Capacitor Thickness)T									10.0								15.0					
引出线直径(Lead Wire Diameter)d±0.05									0.6								0.8					
外型尺寸偏差(Dimension Tolerance:W,H,T)									W+0.4/-0.7, H±0.4, T±0.4													
电容量 uF	63VDC(30VAC)				100VDC(63VAC)				250VDC(160VAC)				400VDC(200VAC)				630VDC(220VAC)					
	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P	Wmax	Hmax	Tmax	P		
0.0047																	13.0	9.0	4.0	10.0		
0.0068																	13.0	9.0	4.0	10.0		
0.010																	13.0	9.0	4.0	10.0		
0.015													13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0		
0.022													13.0	9.0	4.0	10.0	13.0	12	6.0	10.0		
0.033									13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0		
0.047									13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0		
0.068									13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	13.5	7.5	15.0		
0.10					13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0						
0.15					13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	13.5	7.0	15.0						
0.22	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0										
0.33	13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0										
0.47	18.0	12.0	6.0	15.0	18.0	11.0	5.0	15.0														
0.68	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0														
1.0	18.0	11.0	5.0	15.0	18.0	13.5	7.5	15.0														
1.5	18.0	12.0	6.0	15.0																		
2.2	18.0	13.5	7.5	15.0																		

轴向金属化聚酯薄膜电容器 CL20

AXIAL-TYPE METALLIZED POLYESTER FILM CAPACITOR (MET)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 体积小，重量轻，自愈性能优异
- 外包阻燃聚酯胶带，两端灌注环氧树脂
- 主要用于隔直，旁路，耦合和去耦
- Small size, ligh weight, excellent self-healing property
- Wrapped with polyester adhesive tape and ends filled with epoxy resin
- Suitable for blocking.by-passing, coupling and decoupling

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 7332(IEC 60384-2)					
气候类别 Climatic Category	55/105/21					
额定温度 Rated Temperature	+85°C					
工作温度范围 Rated temperature Range	-55°C~+105°C (+85°C to +105°C; decreasing factor 1.25% per °C for V _R (DC)					
额定电压 Rated Voltage	50/63VDC, 100VDC, 250VDC, 400VDC, 630VDC, 1000VDC					
电容量范围 Capacitance Range	0.001μF~10.0μF					
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	≤10×10 ⁻³ (+20°C, 1KHZ)					
绝缘电阻 Insulation Resistance	≥30,000MΩ , C _R ≤0.33μF; ≥10,000s, C _R >0.33μF (20°C 100V, 1min)					
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	U _R (V)	dv/dt(V/us)				
		L=12.0	L=14.5	L=20.0	L=27.5	L=33.0
	63	6	6	2	1.5	1
	100	9	9	3	2	1
	250	20	20	8	55	2.5
	400	30	30	10	7	4
	630	40	40	15	10	6
	1000	50	50	25	12	8

说明 NOTE

- 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，dv/dt 最大值应为上表值乘以 U_R/U
- UR/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 above value with U_R/U

外型尺寸
DIMENSION
P=7.5 Unit:mm

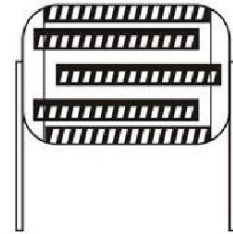
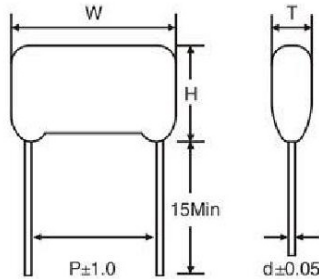
电容量 uF	63VDC(30VAC)			100VDC(63VAC)			250VDC(160VAC)			400VDC(200VAC)			630VDC(220VAC)			1000VDC(250VAC)		
	Dmax	Lmax	D	Dmax	Lmax	P	Dmax	Lmax	d	Dmax	Lmax	d	Dmax	Lmax	d	Dmax	Lmax	d
0.001	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6
0.0015	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6
0.0022	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6
0.0033	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6
0.0047	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	14.5	0.6
0.0068	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	6.0	12.0	0.6	5.2	14.5	0.6
0.010	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	6.0	12.0	0.6	6.0	20.0	0.6
0.015	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	6.5	14.5	0.6	6.5	20.0	0.6
0.022	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	7.5	14.5	0.8	7.0	20.0	0.8
0.033	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	7.0	20.0	0.8	6.5	27.5	0.6
0.047	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	14.5	0.6	7.5	20.0	0.8	7.0	27.5	0.8
0.068	5.2	12.0	0.6	5.2	12.0	0.6	5.2	12.0	0.6	5.2	14.5	0.6	8.5	20.0	0.8	8.0	27.5	0.8
0.10	5.2	12.0	0.6	5.2	12.0	0.6	5.5	14.5	0.6	5.2	14.5	0.8	8.0	27.5	0.8	9.0	27.5	0.8
0.15	5.2	12.0	0.6	5.2	12.0	0.6	5.5	14.5	0.6	7.0	20.0	0.6	9.0	27.5	0.8	9.5	33.0	0.8
0.22	5.2	12.0	0.6	5.2	12.0	0.6	6.0	14.5	0.6	7.5	20.0	0.8	10.5	27.5	0.8	11.0	33.0	0.8
0.33	5.2	12.0	0.6	6.0	14.5	0.6	6.0	20.0	0.6	9.0	20.0	0.8	11.0	33.0	0.8	13.0	33.0	0.8
0.47	5.5	14.5	0.6	6.0	14.5	0.6	7.0	20.0	0.8	8.5	27.5	0.8	12.5	33.0	0.8	15.0	33.0	0.8
0.68	6.0	14.5	0.6	7.0	14.5	0.8	8.0	20.0	0.8	10.0	27.5	0.8	14.5	33.0	0.8			
1.0	7.0	14.5	0.8	8.0	20.0	0.8	9.0	20.0	0.8	10.5	33.0	0.8	17.5	33.0	0.8			
1.5	7.0	20.0	0.8	8.0	20.0	0.8	9.0	27.5	0.8	12.5	33.0	0.8						
2.2	8.0	20.0	0.8	9.0	20.0	0.8	11.0	33.0	0.8	14.5	33.0	0.8						
3.3	9.0	20.0	0.8	9.5	27.5	0.8	13.0	33.0	0.8	17.5	33.0	0.8						
4.7	9.0	27.5	0.8	10.0	33.0	0.8	15.5	33.0	0.8									
6.8	10.5	27.5	0.8	11.5	33.0	0.8	18.5	33.0	1.0									
10.0	11.0	33.0	0.8	14.0	33.0	0.8	22.0	33.0	1.0									

金属化聚丙烯薄膜电容器 CBB21

METALLIZED POLYPROPYLENE FILM CAPACITOR (MPP)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 高频损耗小，内部升温小
- 阻燃环氧粉末包封(UL94/-0)
- 广泛应用于高频、直流、交流和脉冲电路中
- 实用于体积小性能优异的彩电 S 校正电路
- 实用于各种高频各种大电流场合

- Low loss at high frequency, small inherent temperature rise
- Flame retardant epoxy resin powder coating(UL 94-V0)
- Widely used in high frequency, DC, AC and pulse circuit
- Providing optimum performance with small size in S correction circuit for colour TV sets
- Suitable for the situation where applies high frequency and high current pulse

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 14579(IEC 60384-17)					
气候类别 Climatic Category	40/105/21					
额定温度 Rated Temperature	85°C					
工作温度范围 Rated temperature Range	-40°C~105°C (+85°C to +105°C; decreasing factor 1.25% per °C for V_R (DC))					
额定电压 Rated Voltage	100/160V, 200/250V, 400V, 630V, 1000/1250VDC					
电容量范围 Capacitance Range	0.0010 μ F~6.0 μ F					
电 容 量 偏 差 Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)					
耐电压 Voltage Proof	1.6 U_R (5S)					
损耗角正切 Dissipation Factor	$\leq 10 \times 10^{-4}$ (1kHz, 20°C)					
绝缘电阻 Insulation Resistance	$\geq 50000M\Omega$, $C_R \leq 0.33\mu F$; $\geq 15000s$, $C_R > 0.33\mu F$ (20°C, 1min)					
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	U_R (V)	dv/dt(V/us)				
		P=7.5	P=10.0	P=15.0	P=20.0/22.5	P=27.5
	100	180	150	110	60	
	250	660	560	300	110	
	400	900	780	600	180	120
	630	1500	1200	900	220	150
	1000/1250	2500	2200			

说明 NOTE

- 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，dv/dt 最大值应为上表值乘以 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 above value with U_R/U

外型尺寸
DIMENSION

Unit:mm

电容量 uF	100VDC(63VAC)					250VDC(160VAC)					400VDC(200VAC)					630VDC(220VAC)					1000VDC(400VAC)				
	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.001	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.0012	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.0015	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.0018	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6
0.0022	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6
0.0027	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6	10.0	9.0	6.0	7.5	0.6	13.0	9.0	5.0	10.0	0.6
0.0033	10.0	9.0	5.0	7.5	0.6	10.0	9.0	5.0	7.5	0.6	10.0	9.0	5.0	7.5	0.6	10.0	9.0	5.0	7.5	0.6	13.0	9.0	5.0	10.0	0.6
0.0039	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	13.0	9.0	5.5	10.0	0.6
0.0047	10.0	9.5	6.0	7.5	0.6	10.0	9.5	6.0	7.5	0.6	10.0	9.5	6.5	7.5	0.6	10.0	9.5	6.0	7.5	0.6	13.0	9.5	6.0	10.0	0.6
0.0056	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.5	7.5	0.6	10.0	10.0	6.5	7.5	0.6	10.0	10.0	6.5	7.5	0.6	13.0	10.5	6.0	10.0	0.6
0.0068	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	9.0	5.5	10.0	0.6	13.0	10.5	6.0	10.0	0.6
0.0082	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	9.0	6.0	10.0	0.6	13.0	10.5	6.0	10.0	0.6
0.01	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.8	13.0	11.0	6.0	10.0	0.6	13.0	11.0	6.5	10.0	0.6
0.012	10.0	10.5	6.5	7.5	0.6	10.0	10.5	6.5	7.5	0.6	10.0	10.5	6.5	7.5	0.6	13.0	11.0	6.5	10.0	0.6	13.0	11.5	7.0	10.0	0.6
0.015	10.0	10.5	6.5	7.5	0.6	10.0	10.5	6.5	7.5	0.6	10.0	11.0	7.0	7.5	0.6	13.0	11.5	6.5	10.0	0.6	13.0	11.5	7.0	10.0	0.6
0.018	10.0	11.0	7.5	7.5	0.6	10.0	11.0	7.5	7.5	0.6	10.0	11.0	7.5	7.5	0.6	13.0	10.5	7.0	10.0	0.6	13.0	11.5	7.0	10.0	0.6
0.022	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	10.0	9.0	5.5	7.5	0.6	13.0	11.5	7.0	10.0	0.6	13.0	11.5	7.0	10.0	0.6
0.027	10.0	9.5	5.5	7.5	0.6	10.0	9.5	5.5	7.5	0.6	13.0	12.0	6.0	10.0	0.6	13.0	11.5	7.0	10.0	0.6	18.0	11.0	6.0	15.0	0.6
0.033	10.0	10.0	6.0	7.5	0.6	10.0	10.0	6.0	7.5	0.6	13.0	12.0	6.0	10.0	0.6	13.0	11.5	7.0	10.0	0.6	18.0	11.0	6.0	15.0	0.6
0.039	10.0	10.0	6.5	7.5	0.6	10.0	10.0	6.5	7.5	0.6	13.0	12.0	6.5	10.0	0.6	13.0	12.5	7.0	10.0	0.6	18.0	11.5	6.5	15.0	0.6
0.047	10.0	10.5	7.0	7.5	0.6	10.0	10.5	7.0	7.5	0.6	13.0	12.0	6.5	10.0	0.6	13.0	13.0	7.5	10.0	0.6	18.0	11.5	6.5	15.0	0.6
0.068	10.0	9.5	6.0	7.5	0.6	13.0	11.5	5.5	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	13.0	7.5	10.0	0.6	18.0	14.5	8.5	15.0	0.6
0.082	10.0	10.5	6.0	7.5	0.6	13.0	10.5	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	13.5	8.0	10.0	0.6	18.0	16.5	9.0	15.0	0.8
0.1	10.0	10.5	6.5	7.5	0.6	13.0	10.5	6.0	10.0	0.6	13.0	12.0	6.5	10.0	0.6	13.0	13.5	8.0	10.0	0.6	23.0	14.5	7.5	20.0	0.8
0.15	13.0	11.0	6.5	10.0	0.6	13.0	12.0	7.0	10.0	0.6	13.0	12.0	7.0	10.0	0.6	18.0	13.5	8.0	15.0	0.8	26.0	17.5	8.5	22.5	0.8
0.22	13.0	11.0	6.5	10.0	0.6	13.0	12.0	7.0	10.0	0.6	13.0	13.0	8.0	10.0	0.6	18.0	16.0	8.0	15.0	0.8	26.0	19.0	10.0	22.5	0.8
0.33	13.0	13.0	7.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	18.0	12.5	7.0	15.0	0.6	18.0	17.5	10.0	15.0	0.8					
0.39	13.0	13.5	8.0	10.0	0.6	13.0	13.5	8.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	19.0	10.0	15.0	0.8					
0.47	18.0	12.5	7.0	15.0	0.6	18.0	12.2	6.5	15.0	0.6	18.0	18.0	8.0	15.0	0.8	18.0	18.5	9.5	15.0	0.8					
0.68	18.0	14.5	7.5	15.0	0.8	18.0	14.5	7.5	15.0	0.8	23.0	15.5	8.0	20.0	0.8	25.5	19.5	10.5	22.5	0.8					
0.82	18.0	15.0	8.5	15.0	0.8	23.0	14.0	8.0	20.0	0.8	23.0	16.5	9.0	20.0	0.8	25.5	21.5	11.0	22.5	0.8					
1.0	18.0	16.5	9.0	15.0	0.8	23.0	14.5	8.5	20.0	0.8	23.0	17.0	10.0	20.0	0.8	25.5	21.5	11.0	22.5	0.8					
1.2	23.0	15.5	8.5	20.0	0.8	23.0	15.5	8.5	20.0	0.8	23.0	19.0	10.0	20.0	0.8	29.5	20.5	11.5	27.5	0.8					
1.5	23.0	18.5	9.5	20.0	0.8	25.5	18.0	9.5	22.5	0.8	29.5	18.0	9.5	27.5	0.8	34.0	23.5	13.0	31.0	0.8					
1.8	25.5	16.5	9.5	22.5	0.8	25.5	17.0	10.0	22.5	0.8	29.5	19.0	10.0	27.5	0.8	34.0	23.5	13.0	31.0	0.8					
2.0	25.5	18.5	9.5	22.5	0.8	25.5	19.0	10.0	22.5	0.8	29.5	20.0	11.0	27.5	0.8										
2.2	29.5	16.5	9.5	27.5	0.8	29.5	17.0	10.0	27.5	0.8	29.5	21.0	11.0	27.5	0.8										
2.7	29.5	18.5	10.0	27.5	0.8	29.5	19.0	10.0	27.5	0.8	29.5	22.5	12.0	27.5	0.8										
3.0	29.5	19.5	10.5	27.5	0.8	29.5	19.5	11.0	27.5	0.8	29.5	23.5	13.0	27.5	0.8										
3.3	29.5	20.0	11.0	27.5	0.8	29.5	21.5	11.0	27.5	0.8	34.0	23.0	13.0	31.0	0.8										
3.9	29.5	21.5	11.5	27.5	0.8	29.5	22.5	12.0	27.5	0.8															
4.7	29.5	23.5	12.5	27.5	0.8	34.0	22.5	12.0	31.0	0.8															
5.6	29.5	25.5	13.5	27.5	1.0																				
6.0	29.5	26.0	14.0	27.5	1.0																				

塑料外盒金属化聚丙烯薄膜电容器 MKP21

BOX TYPE METALLIZED POLYPROPYLENE FILM CAPACITOR (MPB)

外型图 OUTLINE DRAWING



产品特点 FEATURES

- 高频损耗小，内部温升小
- 塑料外盒封装，外观一致性好
- 广泛应用于高频、直流、交流和脉冲电路中
- 电视机、显示器 S 校正电路
- Low loss at high frequency, small inherent temperature rise
- Box type provides the identical outer appearance
- Widely used in high frequency, DC, AC and pulse circuit
- S-correction circuits for TV sets and monitors

技术要求 SPECIFICATIONS

引用标准 Reference Standard	GB/T 10190(IEC 60384-16)					
气候类别 Climatic Category	55/105/56					
额定温度 Rated Temperature	85°C					
工作温度范围 Rated temperature Range	-55°C~105°C (+85°C to +105°C; decreasing factor 1.25% per °C for V_R (DC))					
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC, 1000/1250VDC, 1600VDC					
电容量范围 Capacitance Range	0.0010 μ F~10.0 μ F					
电 容 量 偏 差 Capacitance Tolerance	$\pm 2\%$ (G), $\pm 2.5\%$ (H), $\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)					
耐电压 Voltage Proof	1.60 U_R (5S)					
损耗角正切 Dissipation Factor	$\leq 10 \times 10^{-4}$ (1kHz, 20°C)					
绝缘电阻 Insulation Resistance	$\geq 50000M\Omega$, $C_R \leq 0.33\mu F$; $\geq 15000s$, $C_R > 0.33\mu F$ (20°C, 100VDC, 1min)					
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	U_R (V)	dv/dt(V/us)				
		P=7.5	P=10.0	P=15.0	P=20.0/22.5	P=27.5
	100	300	150	110	60	55
	250	660	560	300	110	100
	400	900	780	600	280	120
	630	1500	1200	900	400	150
	1000/1250	2500	2200	2000	800	

说明 NOTE

1. 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，dv/dt 最大值应为上表值乘以 U_R/U
1. 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 above value with U_R/U

外型尺寸
DIMENSION

Unit:mm

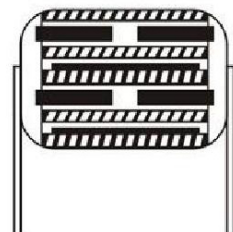
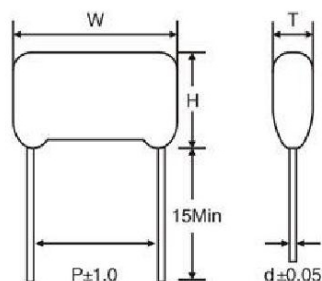
电容量 uF	100VDC(63VAC)					250VDC(160VAC)					400VDC(200VAC)					630VDC(220VAC)					1000VDC(400VAC)				
	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.001	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0012	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0015	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0018	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0022	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0027	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0033	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.5	13.0	9.0	4.0	10.0	0.6
0.0039	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6
0.0047	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.0056	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.0068	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6
0.0082	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6
0.01	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6
0.012	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6
0.015	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8
0.018	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8
0.022	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8
0.027	10.5	9.0	4.0	7.5	0.6	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8
0.033	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	14.5	8.5	15.0	0.8
0.039	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	16.0	10.0	15.0	0.8
0.047	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	16.0	10.0	15.0	0.8
0.068	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	19.0	11.0	15.0	0.8
0.082	10.5	9.0	4.0	7.5	0.6	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8
0.1	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	19.0	10.0	22.5	0.8
0.15	13.0	11.0	5.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	26.5	22.0	12.0	22.5	0.8
0.22	13.0	12.0	6.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8					
0.33	18.0	11.0	5.0	15.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.6	18.0	19.0	11.0	15.0	0.8					
0.39	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	19.0	10.0	22.5	0.8					
0.47	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	19.0	10.0	22.5	0.8					
0.68	18.0	13.5	7.5	15.0	0.8	18.0	14.5	8.5	15.0	0.8	18.0	19.0	11.0	15.0	0.8	26.5	22.0	12.0	22.5	0.8					
0.82	18.0	14.5	8.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	19.0	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8					
1.0	18.0	16.0	10.0	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	20.0	11.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8					
1.2	18.0	16.0	10.0	15.0	0.8	18.0	19.0	11.0	15.0	0.8	26.5	22.0	12.0	22.5	0.8	32.0	25.0	15.0	27.5	0.8					
1.5	18.0	19.0	11.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8	26.5	22.0	12.0	22.5	0.8	32.0	28.0	14.0	27.5	0.8					
1.8	26.5	19.0	10.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8					
2.0	26.5	20.0	11.0	22.5	0.8	26.5	20.0	11.0	22.5	0.8	32.0	24.5	15.0	27.5	0.8										
2.2	26.5	20.0	11.0	22.5	0.8	26.5	20.0	11.0	22.5	0.8	32.0	24.5	15.0	27.5	0.8										
2.7	26.5	22.0	12.0	22.5	0.8	26.5	22.0	12.0	22.5	0.8	32.0	28.0	14.0	27.5	0.8										
3.0	26.5	22.0	12.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8										
3.3	26.5	22.0	12.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8										
3.9	32.0	22.0	13.0	27.5	0.8	32.0	22.0	13.0	27.5	0.8															
4.7	32.0	28.0	14.0	27.5	0.8	32.0	28.0	14.0	27.5	0.8															
5.6	32.0	24.5	15.0	27.5	1.0																				
6.8	32.0	33.0	18.0	27.5	1.0																				

高压金属化聚丙烯薄膜/箔式电容器 CBB81

HIGH-VOLTAGE METALLIZED POLYPROPYLENE FILM/FOIL CAPACITOR (PPS)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 高频损耗小，内部升温小
- 阻燃环氧粉末未包封(UL94/-0)
- 负电容量温度系数
- 大屏幕显示器及彩电行逆程电路
- 适用于电子整流器
- 实用于各种高频脉冲大电流电路
- Low loss at high frequency, small inherent temperature rise
- Flame retardant epoxy resin powder coating(UL 94-V0)
- Negative temperature coefficient of capacitance
- Horizontal resonance circuits of large screen monitor and colour TV
- Suitable for electronic ballast
- Suitable for high pulse and high current loading circuit

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 14579(IEC 60384-17)				
气候类别 Climatic Category	40/105/21				
额定温度 Rated Temperature	85°C				
工作温度范围 Rated temperature Range	-40°C~105°C (+85°C to +105°C; decreasing factor 1.25% per °C for V _R (DC)				
额定电压 Rated Voltage	630/800VDC, 100/1250VDC, 1600VDC, 2000VDC				
电容量范围 Capacitance Range	0.00022μF~0.1μF				
电 容 量 偏 差 Capacitance Tolerance	±5%(J), ±10%(K)				
耐电压 Voltage Proof	1.75U _R (5S)				
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (1kHz, 20°C)				
绝缘电阻 Insulation Resistance	≥50,000MΩ , C _R ≤0.33μF; ≥15,000s, C _R >0.33μF (20°C, 100VDC, 1min)				
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	U _R (V)	dv/dt(V/us)			
		P=10.0	P=15.0	P=20.0/22.5	P=27.5
	630/800	15000	15000	12000	
	1000/1250	30000	30000	20000	
	1600/2000	35000	35000	22000	12000

说明 NOTE

1. 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，dv/dt 最大值应为上表值乘以 U_R/U
1. 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 above value with U_R/U

外型尺寸
DIMENSION

Unit:mm

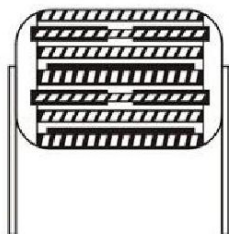
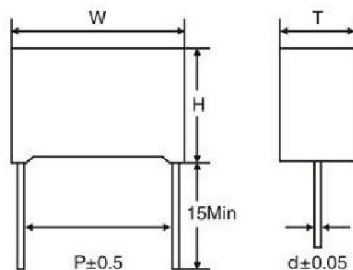
电容量 uF	630/800VDC					1000/1250VDC					1600/2000VDC				
	Wmax	Hmax	Tmax	P	d	WmaX	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.00015	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.8
0.00018	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.8
0.00022	13.5	8.5	5.0	10.0	0.6	13.5	8.5	3.0	10.0	0.6	18.5	10.0	5.5	15.0	0.8
0.00027	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.8
0.00033	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.8
0.00039	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.8
0.00047	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.6
0.00056	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	5.5	15.0	0.6
0.00068	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	10.0	6.0	15.0	0.8
0.00082	13.5	8.5	5.0	10.0	0.6	13.5	8.5	5.0	10.0	0.6	18.5	11.5	6.5	15.0	0.8
0.001	13.5	8.5	5.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	12.0	7.0	15.0	0.8
0.0012	13.5	8.5	5.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	12.0	7.0	15.0	0.8
0.0015	13.5	8.5	5.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	12.0	7.0	15.0	0.6
0.0018	13.5	9.5	6.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	12.0	7.0	15.0	0.8
0.0022	13.5	9.5	6.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	13.5	7.5	15.0	0.8
0.0027	13.5	10.5	6.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	14.5	8.0	15.0	0.8
0.0033	13.5	10.5	6.0	10.0	0.6	18.5	12.0	7.0	15.0	0.8	18.5	15.5	8.5	15.0	0.8
0.0039	13.5	12.5	6.5	10.0	0.6	18.5	12.0	7.0	15.0	0.8	23.5	15.0	7.5	20.0	0.8
0.0047	13.5	12.5	6.5	10.0	0.6	18.5	12.0	7.0	15.0	0.8	23.5	15.0	7.5	20.0	0.8
0.0056	13.5	13.0	7.5	10.0	0.6	18.5	12.0	7.0	15.0	0.8	23.5	16.0	9.5	20.0	0.8
0.0068	18.5	12.5	7.0	15.0	0.8	18.5	13.0	7.0	15.0	0.8	23.5	16.0	9.5	20.0	0.8
0.0082	18.5	12.5	7.0	15.0	0.8	18.5	13.5	7.5	15.0	0.8	23.5	16.5	10.0	20.0	0.8
0.01	18.5	12.5	7.0	15.0	0.8	18.5	14.0	8.0	15.0	0.8	26.0	18.5	10.5	22.5	0.8
0.012	18.5	12.5	7.0	15.0	0.8	18.5	14.0	8.0	15.0	0.8	30.0	21.5	11.0	27.5	0.8
0.015	18.5	13.5	7.5	15.0	0.8	18.5	14.0	8.0	15.0	0.8	30.0	23.5	13.0	27.5	0.8
0.018	18.5	13.5	7.5	15*0	0.8	23.5	13.5	7.5	20.0	0.8	30.0	23.5	14.5	27.5	0.8
0.022	18.5	13.5	7.5	15.0	0.8	23.5	13.5	7.5	20.0	0.8	30.0	24.0	15.0	27.5	0.8
0.027	18.5	15.0	8.0	15.0	0.8	23.5	15.0	9.0	20.0	0.8					
0.033	18.5	15.0	8.0	15.0	0.8	23.5	17.0	9.5	20.0	0.8					
0.039	18.5	16.0	9.0	15.0	0.8	26.0	19.0	12.0	22.5	0.8					
0.047	23.5	17.0	9.0	20.0	0.8	26.0	21.0	12.5	22.5	0.8					
0.056	23.5	18.0	10.0	20.0	0.8										
0.068	26.0	19.0	11.0	22.5	0.8										

塑料外盒双面金属化聚丙烯薄膜电容器 MMKP82

DOUBLE SIDED METALLIZED POLYPROPYLENE FILM CAPACITOR(BOXTYPE) (PHB)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 高频损耗小，内部温升小
- 塑料外盒封装，外观一致性好
- 广泛应用于高频、高压脉冲电路中
- 电视机中 S 校正和行逆程波形和显示器中
- 电子镇流器和节能灯
- 吸收和 SCR 整流电路
- Low loss at high frequency, small inherent temperature rise
- Box type provides the identical outer appearance
- Widely used in high frequency, high voltage and pulse circuits
- Dellection circuits in TV sets(S-correction and fly—back tuning) and monitors
- Lamp capacitor for electronic ballast and compact lamps
- SNUBBER and SCR commutating circuits

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 10190(IEC 60384-16)				
气候类别 Climatic Category	40/105/56				
额定温度 Rated Temperature	85°C for UR(DC); 75°C for UR(AC)				
工作温度范围 Rated temperature Range	-40°C~105°C (+85°C to +105°C; decreasing factor 1.25% per °C for UR(DC) (+75°C to +105°C; decreasing factor 1.35% per °C for UR(AC)				
额定电压 Rated Voltage	250VDC(180VAC), 400VDC(250VAC), 630VDC(400VAC), 1000VDC(600VAC), 1600VDC(650VAC), 2000VDC(700VAC),				
电容量范围 Capacitance Range	0.001μF~3.9μF				
电 容 量 偏 差 Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)				
耐电压 Voltage Proof	1.6UR(5S)				
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (1kHz, 20°C)				
绝缘电阻 Insulation Resistance	≥50,000MΩ, CR≤0.33μF; ≥15,000s, CR>0.33μF (20°C, 100VDC, 1min)				
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	UR(V)	dv/dt(V/us)			
		P=10.0	P=15.0	P=20.0/22.5	P=27.5
	250	1000	550	250	200
	400	1500	900	500	300
	630	3200	250	1500	900
	1000	6000	3000	2000	1000
	1600		6000	3000	2000
	2000		10000	5000	2200

说明 NOTE

- 若实际工作电压(U)比额定电压(UR)低，电容器可工作在更高的 dv/dt 场合，dv/dt 最大值应为上表值乘以 UR/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 above value with UR/U

外型尺寸
DIMENSION

Unit:mm

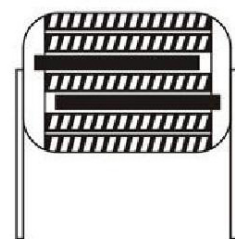
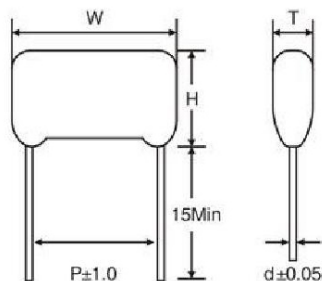
电容量 uF	250VDC(180VAC)					400VDC(250VAC)					630VDC(400VAC)					1000VDC(600VAC)					1600VDC(650VAC)					2000VDC(700VAC)				
	Wmn	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.001	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	11.0	5.0	15.0	0.6
0.0012	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	11.0	5.0	15.0	0.6
0.0015	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	11.0	5.0	15.0	0.6
0.0018	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	11.0	5.0	15.0	0.6
0.0022	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	11.0	5.0	15.0	0.6
0.0027	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	12.0	6.0	15.0	0.8
0.0033	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	12.0	6.0	15.0	0.8
0.0039	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	12.0	6.0	15.0	0.8
0.0047	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	12.0	6.0	15.0	0.8
0.0056	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	13.5	7.5	15.0	0.8
0.0068	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	13.5	7.5	15.0	0.8
0.0082	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8
0.01	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	12.0	6.0	15.0	0.8	26.5	15.0	6.0	22.5	0.8
0.012	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	15.0	6.0	22.5	0.8
0.015	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	16.5	7.0	22.5	0.8
0.018	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	13.0	11.0	5.0	10.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	15.0	6.0	22.5	0.8	26.5	16.5	7.0	22.5	0.8
0.022	10.5	9.0	4.0	7.5	0.5	13.0	9.0	4.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	15.0	6.0	22.5	0.8	26.5	17.0	8.5	22.5	0.8
0.027	10.5	11.0	5.0	7.5	0.5	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	14.5	8.5	15.0	0.8	26.5	15.0	6.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8
0.033	10.5	11.0	5.0	7.5	0.5	13.0	11.0	5.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.5	16.5	7.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8
0.039	10.5	12.0	6.0	7.5	0.5	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8	26.5	22.0	12.0	22.5	0.8
0.047	13.0	11.0	5.0	10.0	0.6	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	26.5	16.5	7.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8
0.056	13.0	11.0	5.0	10.0	0.6	18.0	11.0	5.0	15.0	0.6	18.0	13.5	7.5	15.0	0.8	26.5	16.5	7.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8
0.068	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.5	17.0	8.5	22.5	0.8	32.0	18.0	9.0	27.5	0.8	32.0	22.0	13.0	27.5	0.8
0.082	13.0	12.0	6.0	10.0	0.6	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.5	19.0	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8
0.10	18.0	11.0	5.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	26.5	15.0	6.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	28.0	14.0	27.5	0.8
0.12	18.0	12.0	6.0	15.0	0.8	18.0	13.5	7.5	15.0	0.8	26.5	16.5	7.0	22.5	0.8	26.5	22.0	12.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8					
0.15	18.0	12.0	6.0	15.0	0.8	18.0	14.5	8.5	15.0	0.8	26.5	17.0	8.5	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8					
0.18	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8	32.0	22.0	13.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8					
0.22	18.0	13.5	7.5	15.0	0.8	18.0	16.0	10.0	15.0	0.8	26.5	19.0	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8					
0.27	18.0	14.5	8.5	15.0	0.8	26.5	17.0	8.5	22.5	0.8	32.0	18.0	9.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8					
0.33	18.0	16.0	10.0	15.0	0.8	26.5	17.0	8.5	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	28.0	14.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8					
0.39	18.0	16.0	10.0	15.0	0.8	26.5	19.0	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8										
0.47	26.5	16.5	7.0	22.5	0.8	26.5	19.0	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8										
0.56	26.5	17.0	8.5	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	22.0	13.0	27.5	0.8															
0.68	26.5	18.5	10.0	22.5	0.8	32.0	20.0	11.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8															
0.82	26.5	18.5	10.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8	32.0	28.0	14.0	27.5	0.8															
1.0	32.0	20.0	11.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8															
1.2	32.0	20.0	11.0	27.5	0.8	32.0	24.5	15.0	27.5	0.8																				
1.5	32.0	22.0	13.0	27.5	0.8	32.0	33.0	18.0	27.5	0.8																				
1.8	32.0	24.5	15.0	27.5	0.8																									
2.2	32.0	24.5	15.0	27.5	0.8																									
2.7	32.0	33.0	18.0	27.5	0.8																									
3.3	32.0	33.0	18.0	27.5	0.8																									
3.9	32.0	33.0	18.0	27.5	0.8																									

无感箔式聚丙烯薄膜电容器 CBB13

POLYPROPYLENE FILM/FOIL CAPACITOR(NON-INDUCTIVE) (PPN)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 优异的频率和温度特性
- 阻燃环氧粉末包封(UL94/-0)
- 负电容量温度系数
- 即使高频下, 损耗也很小
- 广泛用于高频、直流和脉冲电路
- Excellent frequency and temperature characteristics
- Flame retardant epoxy resin powder coating(UL 94-V0)
- Negative temperature coefficient of capacitance
- Very small loss even at high frequency
- Widely used in high frequency, DC and pulse circuits

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 10188(IEC 60384-13)
气候类别 Climatic Category	40/105/21
额定温度 Rated Temperature	85°C
工作温度范围 Rated temperature Range	-40°C~+105°C (+85°C to +105°C; decreasing factor 1.25% per °C for U_R (DC))
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC
电容量范围 Capacitance Range	0.001 μ F~0.1 μ F
电容量偏差 Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K)
耐电压 Voltage Proof	2.0 U_R (5S)
损耗角正切 Dissipation Factor	$\leq 10 \times 10^{-4}$ (1kHz, +20°C)
绝缘电阻 Insulation Resistance	$\geq 50,000M\Omega$, $C_R \leq 0.1\mu$ F, (20°C 100V, 1min)

外型尺寸
DIMENSION

Unit:mm

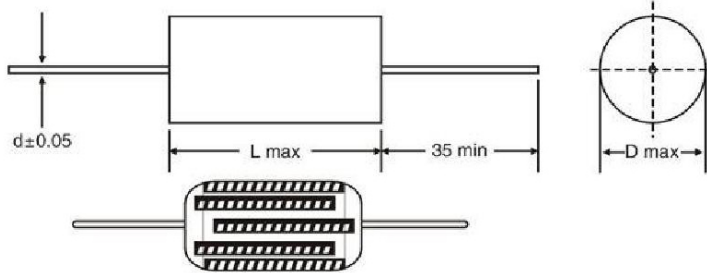
电容量 uF	100VDC					250VDC					400VDC					630VDC				
	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d	Wmax	Hmax	Tmax	P	d
0.001	10.0	9.0	5.0	7.5	0.6	13.5	10.0	6.0	10.0	0.6	13.5	10.0	6.0	10.0	0.6	13.5	10.0	6.0	10.0	0.6
0.0012	10.0	9.0	5.0	7.5	0.6	13.5	10.0	6.0	10.0	0.6	13.5	10.0	6.0	10.0	0.6	13.5	10.5	6.5	10.0	0.6
0.0015	10.0	9.0	5.0	7.5	0.6	13.5	10.0	6.0	10.0	0.6	13.5	10.5	6.5	10.0	0.6	13.5	10.5	6.5	10.0	0.6
0.0018	10.0	9.0	5.0	7.5	0.6	13.5	10.5	6.0	10.0	0.6	13.5	10.5	6.5	10.0	0.6	13.5	10.5	6.5	10.0	0.6
0.0022	10.0	9.0	5.0	7.5	0.6	13.5	10.5	6.0	10.0	0.6	13.5	10.5	6.5	10.0	0.6	13.5	10.5	6.5	10.0	0.6
0.0027	10.0	9.0	5.0	7.5	0.6	13.5	11.0	6.5	10.0	0.6	13.5	10.5	6.5	10.0	0.6	13.5	11.5	6.5	10.0	0.6
0.0033	10.0	9.0	5.0	7.5	0.6	13.5	11.0	6.5	10.0	0.6	13.5	10.5	6.5	10.0	0.6	13.5	11.5	6.5	10.0	0.6
0.0039	10.0	9.0	5.0	7.5	0.6	13.5	11.5	6.5	10.0	0.6	13.5	11.5	6.5	10.0	0.6	13.5	11.5	7.0	10.0	0.6
0.0047	10.0	9.0	5.0	7.5	0.6	13.5	11.5	6.5	10.0	0.6	13.5	11.5	6.5	10.0	0.6	13.5	12.0	7.0	10.0	0.6
0.0056	10.0	9.5	5.5	7.5	0.6	13.5	11.5	7.0	10.0	0.6	13.5	11.5	7.0	10.0	0.6	18.5	12.5	6.5	15.0	0.8
0.0068	10.0	9.5	5.5	7.5	0.6	13.5	12.0	7.0	10.0	0.6	18.5	11.5	6.5	15.0	0.8	18.5	12.5	7.0	15.0	0.8
0.0082	10.0	9.5	5.5	7.5	0.6	13.5	12.0	7.0	10.0	0.6	18.5	12.5	6.5	15.0	0.8	18.5	12.5	7.0	15.0	0.8
0.01	10.0	9.5	5.5	7.5	0.6	18.5	11.5	7.5	15.0	0.8	18.5	13.5	7.0	15.0	0.8	18.5	14.0	7.5	15.0	0.8
0.012	10.0	9.5	5.5	7.5	0.6	18.5	11.5	5.5	15.0	0.8	18.5	14.0	7.0	15.0	0.8	23.5	12.5	6.5	15.0	0.8
0.015	13.5	10.0	6.0	10.0	0.6	18.5	11.5	5.5	15.0	0.8	18.5	14.5	8.0	15.0	0.8	23.5	13.5	7.0	20.0	0.8
0.018	13.5	10.0	6.0	10.0	0.6	18.5	11.5	5.5	15.0	0.8	18.5	15.5	8.5	15.0	0.8	23.5	15.5	7.5	20.0	0.8
0.022	13.5	11.0	7.0	10.0	0.6	18.5	11.5	5.5	15.0	0.8	18.5	15.5	8.5	15.0	0.8	23.5	17.0	8.0	20.0	0.8
0.027	13.5	11.0	7.0	10.0	0.6	18.5	12.5	6.5	15.0	0.8	23.5	14.0	7.0	20.0	0.8					
0.033	13.5	12.5	7.5	10.0	0.6	18.5	12.5	6.5	15.0	0.8	23.5	15.5	7.5	20.0	0.8					
0.039	13.5	12.5	7.5	10.0	0.6	18.5	12.5	6.5	15.0	0.8	23.5	17.0	8.0	20.0	0.8					
0.047	13.5	12.5	7.5	10.0	0.6	18.5	13.0	7.0	15.0	0.8										
0.056	18.0	13.0	6.0	15.0	0.8	23.5	13.0	6.5	20.0	0.8										
0.068	18.0	13.5	7.5	15.0	0.8	23.5	14.5	7.5	20.0	0.8										
0.082	18.0	14.0	8.5	15.0	0.8	23.5	14.5	8.0	20.0	0.8										
0.1	18.0	14.0	8.5	15.0	0.8	23.5	17.0	9.0	20.0	0.8										

轴向金属化聚丙烯薄膜电容器 CBB20

AXIAL-TYPE METALLIZED POLYPROPYLENE FILM CAPACITOR (MPT)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 体积小，重量轻，自愈性能优异
- 外包阻燃聚酯胶带，两端灌注环氧树脂
- 用于温度补偿电路
- 定时、振荡电路
- 功率因素校正、开关电源耦合用
- Small size, ligh weight, excellent self-healing property
- Wrapped with polyester adhesive tape and ends filled with epoxy resin
- Temperature compensation circuits
- Timing, oscillator circuits
- Powder fator correction and coupling capacitor in SMPS applications

技术要求

SPECIFICATIONS

引用标准 Reference Standard	GB/T 10190(IEC 60384-16)						
气候类别 Climatic Category	40/085/21						
额定温度 Rated Temperature	+85°C						
工作温度范围 Rated temperature Range	-40°C~85°C						
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC, 1000VDC, 1600VDC,						
电容量范围 Capacitance Range	0.001μF~10.0μF						
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	≤10×10 ⁻⁴ (+20°C, 1kHz)						
绝缘电阻 Insulation Resistance	≥50,000MΩ, C _R ≤0.33μF; ≥30,000s, C _R >0.33μF (20°C, 100V, 1min)						
最大脉冲爬升速率 Maximum Pulse Time (dv/dt)	U _R (V)	dv/dt(V/us)					
		L=12.5	L=14.5	L=20.0	L=27.5	L=33.0	L=42.0
	100	150	110	80	60	50	35
	250	300	220	120	110	90	60
	400	460	330	250	180	120	80
	630	600	420	300	220	150	100
	1000	800	510	400	300	200	150
	1250	1000	750	550	380	300	200

说明 NOTE

- 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，dv/dt 最大值应为上表值乘以 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 above value with U_R/U

外型尺寸
DIMENSION

Unit:mm

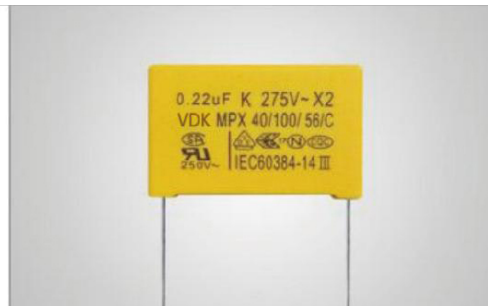
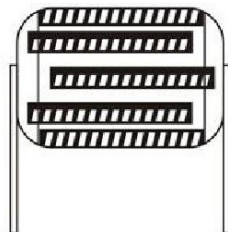
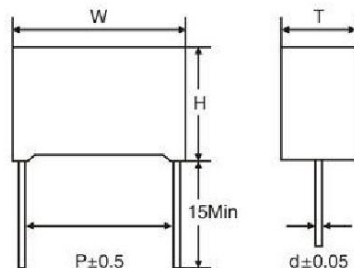
电容量 uF	100VDC(60VAC)			250VDC(160VAC)			400VDC(200VAC)			630VDC(220VAC)			1000VDC(350VAC)			1250VDC(400VAC)		
	Dmax	Lmax	d	Dmax	Lmax	d	Dmax	Lmax	d	Dmax	Lmax	d	Dmax	Lmax	d	Dmax	Lmax	d
0.001	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6
0.0015	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.5	12.5	0.6
0.0022	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	6.0	12.5	0.6	6.5	12.5	0.6
0.0033	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	6.5	12.5	0.6	6.5	14.5	0.6
0.0047	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.5	14.5	0.6	6.5	14.5	0.6
0.0068	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.5	12.5	0.6	6.5	14.5	0.6	7.5	14.5	0.8
0.010	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	5.5	14.5	0.6	7.5	14.5	0.8	8.5	14.5	0.8
0.015	5.2	12.5	0.6	5.2	12.5	0.6	5.2	12.5	0.6	6.0	14.5	0.6	8.5	14.5	0.8	7.5	20.0	0.8
0.022	5.2	12.5	0.6	5.2	12.5	0.6	5.5	12.5	0.6	7.0	14.5	0.6	8.0	20.0	0.8	8.5	20.0	0.8
0.033	5.2	12.5	0.6	5.5	12.5	0.6	5.5	14.5	0.6	7.0	20.0	0.8	9.0	20.0	0.8	10.5	20.0	0.8
0.047	5.2	12.5	0.6	5.5	14.5	0.6	6.5	14.5	0.6	8.0	20.0	0.8	10.5	20.0	0.8	9.5	27.5	0.8
0.068	5.5	12.5	0.6	6.0	14.5	0.6	7.0	14.5	0.8	9.0	20.0	0.8	9.5	27.5	0.8	11.0	27.5	0.8
0.10	5.5	14.5	0.6	7.0	14.5	0.8	7.0	20.0	0.8	8.5	27.5	0.8	11.5	27.5	0.8	13.0	27.5	0.8
0.15	6.5	14.5	0.6	8.0	14.5	0.8	8.0	20.0	0.8	10.0	27.5	0.8	12.0	33.0	0.8	13.5	33.0	0.8
0.22	7.5	14.5	0.3	7.5	20.0	0.8	9.0	20.0	0.8	12.0	27.5	0.8	14.0	33.0	0.8	16.0	33.0	1.0
0.33	7.0	20.0	0.8	9.0	20.0	0.8	9.0	27.5	0.8	12.5	33.0	0.8	16.5	33.0	1.0	17.0	42.0	1.0
0.47	8.0	20.0	0.8	8.5	27.5	0.8	10.0	27.5	0.8	14.5	33.0	0.8	17.5	42.0	1.0	19.5	42.0	1.0
0.68	8.0	27.5	0.8	10.0	27.5	0.8	12.0	27.5	0.8	17.0	33.0	1.0	20.5	42.0	1.0			
1.0	9.5	27.5	0.8	12.0	27.5	0.8	12.5	33.0	0.8	17.5	42.0	1.0						
1.5	11.5	27.5	0.8	12.5	33.0	0.8	15.0	33.0	0.8	21.0	42.0	1.0						
2.2	12.0	33.0	0.8	14.5	33.0	0.8	17.5	33.0	1.0	24.5	42.0	1.0						
3.3	14.0	33.0	0.8	17.5	33.0	1.0	18.5	42.0	1.0									
4.7	16.5	33.0	1.0	18.5	42.0	1.0	21.5	42.0	1.0									
6.8	17.5	42.0	1.0	21.5	42.0	0.8												
10.0	20.5	42.0	1.0															

塑料外盒金属化聚丙烯薄膜抗干扰电容器 MKP61

BOX TYPE METALLIZED POLYPROPYLENE FILM INTERFERENCE SUPPRESSION CAPACITOR(CLASS X2) (X2)

外型图

OUTLINE DRAWING



产品特点

FEATURES

- 能承受过电压冲击
- 优秀的阻燃性能
- 广泛应用于电源跨线等抗干扰电路
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in across-the-line, interference suppression circuits etc

安全认证

SAFETY APPROVALS

	(中国) CQC	证书号(Certificate No)· CQC07001018754 GB/T 14472-1998, X2 250/275VAC, 0.01uF~2.2uF, 40/100/56/C
	(欧盟) ENEC-N	证书号(Certificate No): P09211110 EN60384-142:2005, X2 275VAC 0.01uF~2.2uF, 40/100/56/C
	(美国) UL	证书号(Certificate No)· E192572 FOWX2/8 UL60384-14:2009, X2 310VAC , 0.01uF~1.0uF, 40/105/56/B
	(德国) VDE	证书号(Certificate No) 40023936 EN60384-14:2005, X2 275VAC, 0.01uF~2.2uF, 40/100/56/C
	(加拿大) CSA	证书号(Certificate No) 2273014 CSA E60384-14:09, X2 275VAC, 0.01uF~2.2uF, 40/100/56/C
CB TEST CERTIFICATE		证书号(Certificate No) DE1-39215 IEC60384-14:2005, X2 250/275VAC , 0.01uF~2.2uF, 40/100/56/C

技术要求

SPECIFICATIONS

类别 Class	X2 类	
气候类别/阻燃等级 Climatic Category/Plasive Flammability Category	400/105/56/B	
工作温度范围 Operating temperature Range	-40°C~+105°C	
额定电压 Rated Voltage	310VAC, 50/60HZ	
电容量范围 Capacitance Range	0.01μF~2.2μF	
电容量偏差 Capacitance Tolerance	±10%(K), ±20%(M)	
耐电压 Voltage Proof	引线之间 Between Terminals	4.3U _R
	极壳之间 Between Terminals To Case	2050VAC(60s)
绝缘阻抗 Insulation Resistance	IR≥15,000MΩ C _R ≤0.33μF (20°C, 100V, 1min)	
	RC≥5,000s, C _R >0.33μF (20°C, 100V, 1min)	
损耗角正切 Dissipation Factor	≤10×10 ⁻⁴ (+20°C, 1kHz)	

外型尺寸
DIMENSION

Unit:mm

引线间距(Lead Pitch)P				≤10.0						>10.0					
引线线径(Lead Wire Dia.)				0.6						0.8					
电 容 量 uF	175/310VAC														
	P=7.5			P=10.0			P=15.0			P=22.5			P=27.5		
	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T
001	10.5	9.0	4.0	13.0	9.0	4.0	18.0	11.0	5.0						
0.012	10.5	9.0	4.0	13.0	9.0	4.0	18.0	11.0	5.0						
0.015	10.5	9.0	4.0	13.0	9.0	4.0	18.0	11.0	5.0						
0.018	10.5	9.0	4.0	13.0	9.0	4.0	18.0	11.0	5.0						
0.022	10.5	9.0	4.0	13.0	11.0	5.0	18.0	11.0	5.0						
0.027	10.5	11.0	5.0	13.0	11.0	5.0	18.0	11.0	5.0						
0.033	10.5	11.0	5.0	13.0	11.0	5.0	18.0	11.0	5.0						
0.039	10.5	12.0	6.0	13.0	11.0	5.0	18.0	11.0	5.0						
0.047	10.5	12.0	6.0	13.0	11.0	5.0	18.0	11.0	5.0						
0.056				13.0	11.0	5.0	18.0	11.0	5.0						
0.068				13.0	12.0	6.0	18.0	11.0	5.0						
0.082				13.0	12.0	6.0	18.0	11.0	5.0						
0.1				13.0	12.0	6.0	18.0	12.0	6.0						
0.12				13.0	12.0	6.0	18.0	12.0	6.0						
0.15				13.0	13.0	7.0	18.0	13.5	7.0	26.5	15.0	6.0			
0.18				13.0	13.0	7.0	18.0	13.5	7.0	26.5	15.0	6.0			
0.22				13.0	14.0	8.0	18.0	14.5	8.5	26.5	16.5	7.0			
0.27				13.0	14.0	8.0	18.0	14.5	8.5	26.5	16.5	7.0			
0.33							18.0	15.5	9.5	26.5	17.0	8.5			
0.39							18.0	15.5	9.5	26.5	17.0	8.5			
0.47							18.0	16.0	10.0	26.5	19.0	10.0			
0.56							18.0	16.0	10.0	26.5	19.0	10.0	32.0	18.0	9.0
0.68							18.0	19.0	11.0	2&5	19.0	10.0	32.0	18.0	9.0
0.82										26.5	20.0	11.0	32.0	20.0	11.0
1.0										26.5	22.0	12.0	32.0	20.0	11.0
1.2										26.5	23.0	13.0	32.0	22.0	13.0
1.5										26.5	23.0	13.0	32.0	22.0	13.0
1.8													32.0	22.0	13.0
2.0													32.0	25.5	16.0
2.2													32.0	33.0	18.0

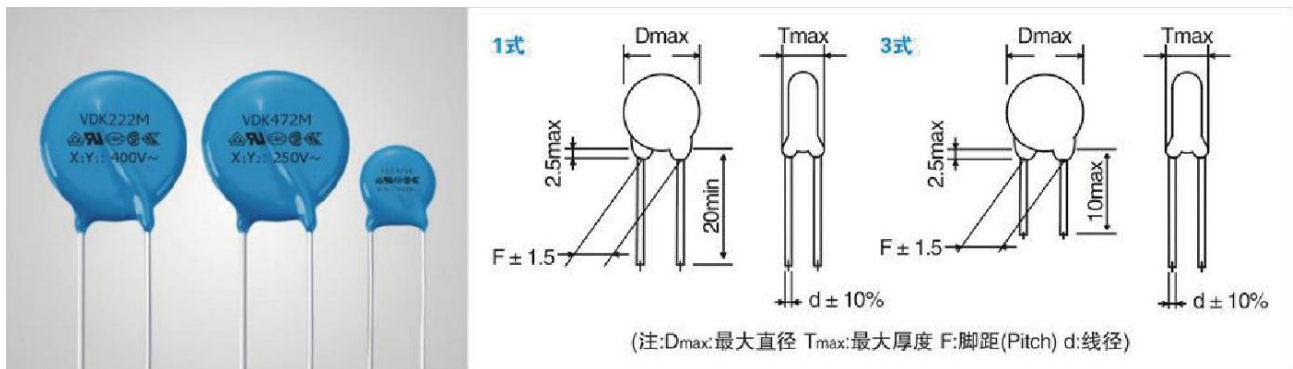


安规陶瓷电容(CT7)

Y TYPE CERAMIC CAPACITOR

外型图

OUTLINE DRAWING



产品特点

PRODUCTS OUTLINE DRAWING

○ 主要应用于电子设备主回路以抑制电磁干扰用 ○ Application in the input circuit of power supply for interference suppression

规格名称

TYPE DESIGNATION

Y1		11		E		I		D		472		M		TP	
额定电压 UR		最大外径 Dmax		温度系数 Temp.Cof		引线形状 Lead style		引线间距 Lead spacing(F)		容量 Capacitance		容量精度 Cap.Tol		编带包装 TAPING & REEL PACKING	
Y1	AC400V	Dia	Code	B	Y5P	Code	Style	D	10.0	Cap.	Code	Tol.	Code		
Y2	AC250V	7.5	8	E	Y5U	1	长直线型	E	7.5	100pF	101	±10%	K		
		11.3	12	F	Y5V	3	短直线型			1000pF	102	±20%	M		
		15.8	16							2200pF	222	+80%	Z		
		16.5	17							10000pF	103	-20%			

说明
SPECIFICATIONS

使用温度范围 OPERATING TEMPERATURE RANGE:	-25°C~+85°C, -25°C~+125°C
静电容量 CAPACITANCE:	静电容量须在温度 20±2°C, 以 1V±0.2V 测定, 其中测试频率为 1±0.2KHz。 THE CAPACITANCE SHALL BE MEASURED AT 20±2°C WITH 1V±0.2V AND 1±0.2KHz.
损耗角正切 tg δ DISSIPATION FACTOR(D.F.):	测试条件与静电容量相同 SAME CONDITION AS THE CAPACITANCE tg δ ≤250×10 ⁻⁴
绝缘电阻 INSULATION REDIDTANCE(I.R.):	于端子间施加直流 500V 的电压, 时间为 60±5 秒。 THE I.R.SHALL BE MEASURED AT DC500V WITHIN 60±5 SEC.OF CHARGING. I.R.≥10,000MΩ
耐电压 DIELECTRIC STRENGTH:	于端子间施加一交流电任 5 秒, 应无不良(电流限于 50mA 以内)。 APPLY AAC VOLTAGES BETWEEN THE LEAD WIRES FOR 5 SEC., NO FAILURE (CHARGE/DISCHARGE CURRENT≤50mA) Y ₁ :U _T =AC2500V Y ₁ :U _T =AC4000V

尺寸及容量范围
DIA.&CAP.RANGE

U _R	TEMP.COF./CAP.(PF)温度系数及容量			Dmax (mm)	Tmax (mm)
	B	E	F		
Y1			1000	6.8	5.5
	100-200			7	
	470		1500	8	
		1000-1500	2200	8.5	
		2200	3300-3900	11	
	1000		4700	12	
Y2	100-470	1000	1000	6	4.5
			1500	7	
		1500	2200	8	
		2200	3300-3900	9	
			4700	10.5	
		4700	6800	14	
			10000	15	

说明 NOTE

表中数值或尺寸仅供参考, 特殊产品客户有需求可协商供货

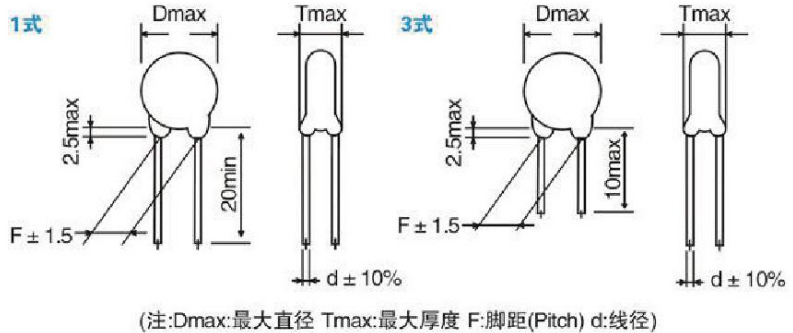
The values and dimensions listed above are for reference only, other irregular values and dimensions are available on request by customer

中高压陶瓷电容

MIDDLE-HIGH VOLTAGE CERAMIC CAPACITOR

外型图

OUTLINE DRAWING



产品特点

PRODUCTS OUTLINE DRAWING

○ 在电路中主要用于耦合和旁路作用

○ Application in the electrical circuit suitable for coupling and by-passing

规格名称

TYPE DESIGNATION

R	8	E	I	E	102	M	TP
额定电压 UR	最大外径 Dmax	温度系数 Temp.Cof	引线形状 Lead style	引线间距 Lead spacing(F)	容量 Capacitance	容量精度 Cap.Tol	编带包装 TAPING & REEL PACKING
Code DC(V)	Dia Code	B Y5P E Y5U F Y5V	Code Style 1 长直线型 3 短直线型	B 5.0 E 7.5 D 10.0	Cap. Code 100pF 101 1000pF 102 2200pF 222 10000pF 103	Tol. Code ±10% K ±20% M +80% -20% Z	
N 1KV	7.5 8						
R 2KV	11.3 12						
S 3KV	15.8 16						
T 4KV	16.5 17						
6KV							
8KV							
10KV							
15KV							

说明

SPECIFICATIONS

使用温度范围 OPERATING TEMPERATURE RANGE:	-25°C~+85°C, -25°C~+125°C
静电容量 CAPACITANCE:	静电容量须在温度 20±2°C, 以 1V±0.2V 测定, 其中测试频率为 1±0.2KHz。 THE CAPACITANCE SHALL BE MEASURED AT 20±2°C WITH 1V±0.2V AND 1±0.2KHz.
损耗角正切 tg δ DISSIPATION FACTOR(D.F.):	测试条件与静电容量相同 SAME CONDITION AS THE CAPACITANCE tg δ ≤250x10 ⁻⁴
绝缘电阻 INSULATION REDIDTANCE(I.R.):	于端子间施加直流 500V 的电压, 时间为 60±5 秒。 THE I.R.SHALL BE MEASURED AT DC500V WITHIN 60±5 SEC.OF CHARGING. I.R.≥10,000MΩ
耐电压 DIELECTRIC STRENGTH:	于端子间施加一交流电 2 秒, 应无不良(电流限于 50mA 以内)。 APPLY A AC VOLTAGES BETWEEN THE LEAD WIRES FOR 2 SEC., NO FAILURE (CHARGE/DISCHARGE CURRENT≤50mA) 1KV≤UR≤10KV UT=1.5UR+500V UR≥10KV UT=1.5UR

尺寸及容量范围
DIA.&CAP.RANGE

U _R	TEMP.COF./CAP.(PF)温度系数及容量			Dmax (mm)	Tmax (mm)
	B	E	F		
1KV	100-1000	1000-2200	1000-4700	6	4.0
	1000-1500	2200-4700	10000	8	
	1500-2200	4700-5600	10000	10	
	2700-3300	10000	10000	12	
	4700	-	-	14	
	6800-10000	-	-	18	
2KV	100-560	1000-1500	1500-2200	8	5.0
	1000-1500	2200-3300	3300-4700	10	
	2200	4700	5600-8200	12	
	-	-	10000	14	
3KV 4KV	100-220	100-390	680-1000	8	6.0
	270-470	470-560	2200-3300	10	
	560-820	680-1000	4700-5600	12	
	1000	1500-2200	8200	14	
	-	3300-3900	10000	16	
	-	4700	-	18	
6KV 8KV	100-470	220-680	1000	8	7.0
	680-820	1000	1500-2200	10	
	1000	1500	3200-4700	14	
	-	2200	10000	16	
10KV	150-220	330	470-1000	10	7.5
	330	470-680	1500-3900	14	
	-	1000-2200	-	16	
12KV 15KV	100-150	330	470	10	8.0
	220-330	470	680	12	
	470	680	-	14	
	-	-	1000	18	

说明 NOTE

表中数值或尺寸仅供参考，特殊产品客户有需求可协商供货

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