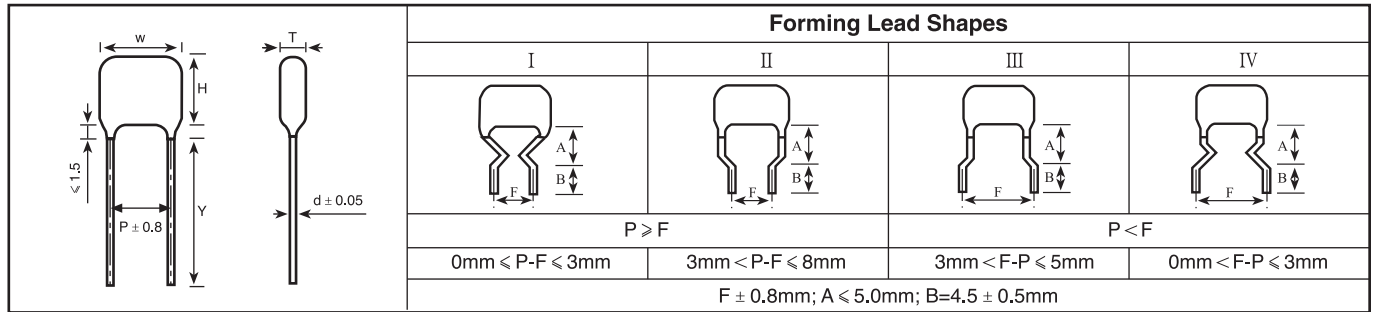




C21
CL21 series

金属化聚酯膜电容器(浸渍型) Metallized polyester film capacitor(Dipped)

■ 外形图 Outline Drawing



■ 特点

- 金属化聚酯膜,无感卷绕结构
- 容量范围宽,体积小,重量轻
- 自愈性好,寿命长
- 阻燃性环氧粉末封装

■ 主要用途

- 适用于直流和VHF级信号的隔直流、旁路和耦合
- 广泛用于滤波、低脉冲电路

■ 技术要求 Specifications

■ Features

- Metallized polyester film, non-inductive wound construction
- Wide capacitance range, small size, and light weight
- Long life due to self-healing effect
- Flame retardation epoxy resin coated

■ Typical Applications

- Suitable for blocking, by-pass and coupling of DC and signals to VHF range
- Widely used in filter and low pulse circuits

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℃					
工作温度范围 Operating Temperature Range	-55℃ ~ 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、1 000V、1 250V					
电容量范围 Capacitance Range	0.010μF ~ 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	≤ 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) for Pattern III				
			P=7.5	P=10.0	P=15.0	P=22.5
	50/63	7.5	6	3	2	--
	100	15	9	5	3	--
	250	30	20	12	8	5
	400	40	30	20	10	7
	630	--	40	25	12	10
1 000	70	60	30	15	12	
1 250	80	70	40	18	14	