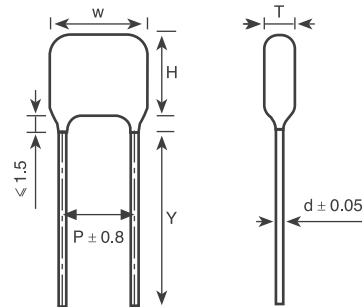
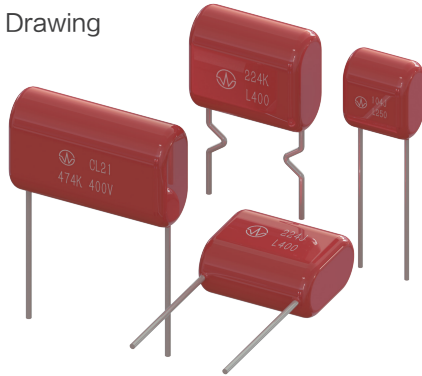


CL21 金属化聚酯膜电容器

Metallized polyester film capacitor

外形图 Outline Drawing



单位 Unit: mm

特点 Features

- 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
- 阻燃环氧粉末包封
- Metallized polyester film, non-inductive wound construction
- Wide capacitance range, small size, and light weight
- Good self-healing property and long service life
- Flame retardant epoxy resin coated

主要用途 Typical Applications

- 适用于直流和VHF级信号的隔直、旁路和耦合
- 广泛用于滤波、低脉冲电路
- Suitable for blocking, by-pass and coupling of DC and signals to VHF range
- Widely used in filter and low 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℃					
工作温度范围 Operating Temperature Range	-55℃~105℃					
额定电压 Rated Voltage	50/63V, 100V, 250V, 400V, 630V, 1000V, 1250V					
电容量范围 Capacitance Range	0.010 μF ~ 10.0 μF					
电容量偏差 Capacitance Tolerance	±5% (J), ±10% (K)					
耐电压 Voltage Proof	1.6U _R (5s)					
损耗角正切 Dissipation Factor	≤1.0% (20℃, 1kHz)					
绝缘电阻 Insulation Resistance	U _R ≤ 100V	R ≥ 3750MΩ, C _N ≤ 0.33 μF RC _N ≥ 1250s, C _N > 0.33 μF (20℃, 50V, 1min)				
	U _R > 100V	R ≥ 7500MΩ, C _N ≤ 0.33 μF RC _N ≥ 2500s, C _N > 0.33 μF (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
	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
1000	70	60	30	15	12	
1250	80	70	40	18	14	

■ 外形尺寸 Dimensions (mm)

50Vdc (30Vac) / 63Vdc (40Vac)					
C _N (μF)	W	H	T	P	d
0.39	9.80	7.0	4.0	7.5	0.6
0.47	9.80	7.7	4.1	7.5	0.6
0.56	9.80	8.0	4.4	7.5	0.6
0.68	9.80	8.3	4.7	7.5	0.6
0.82	9.80	8.7	5.1	7.5	0.6
1.0	12.3	8.4	4.8	10.0	0.6
1.2	12.3	8.8	5.1	10.0	0.6
1.5	12.3	9.3	5.6	10.0	0.6
1.8	12.3	9.7	6.1	10.0	0.6
2.2	17.5	9.6	5.9	15.0	0.6
2.7	17.5	10.0	6.4	15.0	0.6
3.3	17.5	10.6	6.9	15.0	0.6
3.9	17.5	11.6	7.5	15.0	0.8
4.7	25.2	11.9	6.2	22.5	0.8
5.6	25.2	12.4	6.7	22.5	0.8
6.8	25.2	13.0	7.3	22.5	0.8
8.2	25.2	13.6	8.4	22.5	0.8
10.0	25.2	14.4	9.2	22.5	0.8

100Vdc (63Vac)					
C _N (μF)	W	H	T	P	d
0.27	9.80	7.0	4.0	7.5	0.6
0.33	9.80	7.7	4.1	7.5	0.6
0.39	9.80	8.0	4.3	7.5	0.6
0.47	9.80	8.3	4.6	7.5	0.6
0.56	9.80	8.6	5.0	7.5	0.6
0.68	9.80	9.0	5.4	7.5	0.6
0.82	12.3	8.7	5.0	10.0	0.6
1.0	12.3	9.1	5.5	10.0	0.6
1.2	12.3	9.5	5.9	10.0	0.6
1.5	12.3	10.1	6.5	10.0	0.6
1.8	17.5	11.4	5.7	15.0	0.6
2.2	17.5	11.9	6.1	15.0	0.6
2.7	17.5	12.4	6.7	15.0	0.6
3.3	17.5	14.0	6.8	15.0	0.6
3.9	17.5	14.6	7.3	15.0	0.8
4.7	25.2	13.9	6.6	22.5	0.8
5.6	25.2	14.4	7.2	22.5	0.8
6.8	25.2	15.1	8.3	22.5	0.8
8.2	25.2	16.9	8.5	22.5	0.8
10.0	25.2	17.7	9.4	22.5	0.8

250Vdc (160Vac)					
C _N (μF)	W	H	T	P	d
0.022	9.80	7.0	4.0	7.5	0.5
0.027	9.80	7.2	4.2	7.5	0.5
0.033	9.80	6.7	3.7	7.5	0.6
0.039	9.80	6.9	3.9	7.5	0.6
0.047	9.80	7.1	4.1	7.5	0.6
0.056	9.80	7.4	4.4	7.5	0.6
0.068	9.80	6.7	3.7	7.5	0.6
0.082	9.80	7.0	4.0	7.5	0.6
0.10	9.80	7.7	4.0	7.5	0.6
0.12	9.80	7.9	4.3	7.5	0.6
0.15	9.80	8.3	4.7	7.5	0.6
0.18	9.80	8.6	5.0	7.5	0.6
0.22	12.3	8.4	4.7	10.0	0.6
0.27	12.3	8.8	5.1	10.0	0.6
0.33	12.3	9.7	5.3	10.0	0.6
0.39	17.5	9.6	5.1	15.0	0.6
0.47	17.5	9.9	5.5	15.0	0.6
0.56	17.5	10.8	5.6	15.0	0.6
0.68	17.5	11.3	6.1	15.0	0.6
0.82	17.5	12.3	6.6	15.0	0.6
1.0	17.5	12.9	7.2	15.0	0.6
1.2	17.5	13.5	7.8	15.0	0.8
1.5	17.5	15.3	8.5	15.0	0.8
1.8	17.5	16.0	9.2	15.0	0.8
2.2	25.2	15.2	8.4	22.5	0.8
2.7	25.2	15.5	8.7	22.5	0.8
3.3	25.2	16.9	10.1	22.5	0.8
3.9	25.2	18.6	10.3	22.5	0.8
4.7	25.2	19.6	11.3	22.5	0.8
5.6	30.2	19.3	10.9	27.5	0.8
6.8	30.2	20.4	12.1	27.5	0.8
8.2	30.2	21.6	13.2	27.5	0.8
10.0	30.2	23.0	14.6	27.5	0.8

400Vdc (200Vac)					
C _N (μF)	W	H	T	P	d
0.022	9.80	7.0	4.0	7.5	0.6
0.027	9.80	7.2	4.2	7.5	0.5
0.033	9.80	7.3	4.3	7.5	0.5
0.039	9.80	7.5	4.4	7.5	0.6
0.047	9.80	8.2	4.5	7.5	0.6
0.056	9.80	8.5	4.8	7.5	0.6
0.068	12.3	8.2	4.5	10.0	0.6
0.082	12.3	8.5	4.8	10.0	0.6
0.10	12.3	9.4	5.0	10.0	0.6
0.12	12.3	9.8	5.3	10.0	0.6
0.15	17.5	9.6	5.2	15.0	0.6
0.18	17.5	9.9	5.5	15.0	0.6
0.22	17.5	10.4	5.9	15.0	0.6
0.27	17.5	10.9	6.4	15.0	0.6
0.33	17.5	11.9	6.7	15.0	0.6
0.39	17.5	12.9	7.2	15.0	0.8
0.47	17.5	13.5	8.3	15.0	0.8
0.56	17.5	14.1	8.9	15.0	0.8
0.68	17.5	14.9	9.7	15.0	0.8
0.82	17.5	15.7	10.5	15.0	0.8
1.0	25.2	16.6	8.2	22.5	0.8
1.2	25.2	17.3	9.0	22.5	0.8
1.5	25.2	18.3	9.9	22.5	0.8
1.8	30.2	18.1	9.7	27.5	0.8
2.2	30.2	20.0	10.1	27.5	0.8
2.7	30.2	21.1	11.2	27.5	0.8
3.3	30.2	22.3	12.4	27.5	0.8
3.5	30.2	22.7	12.8	27.5	0.8
3.9	30.2	23.5	13.5	27.5	0.8
4.7	30.2	24.8	14.9	27.5	0.8

■ 外形尺寸 Dimensions (mm)

630Vdc (220Vac)					
C _N (μF)	W	H	T	P	d
0.010	9.80	6.8	3.8	7.5	0.6
0.012	9.80	7.4	3.8	7.5	0.6
0.015	9.80	7.7	4.1	7.5	0.6
0.018	9.80	7.9	4.3	7.5	0.6
0.022	9.80	8.2	4.6	7.5	0.6
0.027	9.80	8.6	5.0	7.5	0.6
0.033	12.3	8.3	4.7	10.0	0.6
0.039	12.3	8.6	4.9	10.0	0.6
0.047	12.3	9.0	5.3	10.0	0.6
0.056	12.3	9.3	5.7	10.0	0.6
0.068	12.3	9.8	6.1	10.0	0.6
0.082	12.3	10.3	6.6	10.0	0.6
0.10	17.5	10.9	5.7	15.0	0.6
0.12	17.5	11.3	6.1	15.0	0.6
0.15	17.5	11.9	6.6	15.0	0.6
0.18	17.5	12.9	7.2	15.0	0.8
0.22	17.5	13.5	8.3	15.0	0.8
0.27	17.5	14.3	9.0	15.0	0.8
0.33	17.5	15.1	9.8	15.0	0.8
0.39	17.5	15.8	10.6	15.0	0.8

630Vdc (220Vac)					
C _N (μF)	W	H	T	P	d
0.47	25.2	15.6	8.8	22.5	0.8
0.56	25.2	16.3	9.5	22.5	0.8
0.68	25.2	17.2	10.4	22.5	0.8
0.82	25.2	18.1	11.3	22.5	0.8
1.0	30.2	18.9	10.5	27.5	0.8
1.2	30.2	19.8	11.5	27.5	0.8
1.5	30.2	21.2	12.8	27.5	0.8
1.8	30.2	22.4	14.0	27.5	0.8
2.2	30.2	23.9	15.5	27.5	0.8

50Vdc (30Vac) / 63Vdc (40Vac)					
C _N (μF)	W	H	T	P	d
0.12	9.8	7.0	4.0	7.5	0.6
0.15	9.8	7.8	4.1	7.5	0.6
0.18	9.8	7.5	3.9	7.5	0.6
0.22	9.8	7.8	4.1	7.5	0.6
0.27	9.8	8.1	4.5	7.5	0.6
0.33	9.8	7.7	4.1	7.5	0.6
0.39	9.8	8.0	4.3	7.5	0.6
0.47	9.8	8.3	4.6	7.5	0.6
0.56	9.8	8.6	5.0	7.5	0.6
0.68	9.8	9.0	5.4	7.5	0.6
0.82	12.3	8.6	5.0	10.0	0.6
1.0	12.3	9.0	5.4	10.0	0.6
1.2	12.3	9.5	5.9	10.0	0.6
1.5	12.3	10.1	6.5	10.0	0.6
1.8	12.3	10.7	7.1	10.0	0.6
2.2	17.5	11.4	6.1	15.0	0.6
2.7	17.5	11.9	6.7	15.0	0.6
3.3	17.5	12.5	7.3	15.0	0.6
3.9	17.5	13.6	7.9	15.0	0.8
4.7	25.2	14.4	7.6	22.5	0.8
5.6	25.2	14.9	7.7	22.5	0.8
6.8	25.2	15.6	8.3	22.5	0.8
8.2	25.2	16.4	9.6	22.5	0.8
10.0	25.2	17.2	10.5	22.5	0.8

100Vdc (63Vac)					
C _N (μF)	W	H	T	P	d
0.12	9.8	7.0	4.0	7.5	0.6
0.15	9.8	7.8	4.1	7.5	0.6
0.18	9.8	7.5	3.9	7.5	0.6
0.22	9.8	7.8	4.1	7.5	0.6
0.27	9.8	8.1	4.5	7.5	0.6
0.33	9.8	8.5	4.8	7.5	0.6
0.39	9.8	8.8	5.2	7.5	0.6
0.47	9.8	9.2	5.6	7.5	0.6
0.56	12.3	8.8	5.2	10.0	0.6
0.68	12.3	9.3	5.61	10.0	0.6
0.82	12.3	9.7	6.1	10.0	0.6
1.0	12.3	10.3	6.6	10.0	0.6
1.2	12.3	10.9	7.2	10.0	0.6
1.5	12.3	11.6	8.0	10.0	0.6
1.8	17.5	13.6	6.3	15.0	0.6
2.2	17.5	14.2	6.9	15.0	0.8
2.7	17.5	14.9	7.6	15.0	0.8
3.3	17.5	15.7	8.4	15.0	0.8
3.9	17.5	16.4	9.11	15.0	0.8
4.7	25.2	17.0	8.1	22.5	0.8
5.6	25.2	17.7	8.8	22.5	0.8
6.8	25.2	18.5	10.2	22.5	0.8
8.2	25.2	19.5	11.1	22.5	0.8
10.0	25.2	21.5	11.6	22.5	0.8

400Vdc (200Vac)					
C _N (μF)	W	H	T	P	d
0.010	9.8	6.9	3.9	7.5	0.6
0.012	9.8	7.1	4.1	7.5	0.6
0.015	9.8	7.5	4.4	7.5	0.6
0.018	9.8	7.3	3.7	7.5	0.6
0.022	9.8	7.5	3.9	7.5	0.6
0.027	9.8	7.8	4.2	7.5	0.6
0.033	9.8	8.1	4.5	7.5	0.6
0.039	9.8	8.2	4.6	7.5	0.6
0.047	9.8	8.6	4.9	7.5	0.6
0.056	12.3	8.8	4.3	10.0	0.6
0.068	12.3	9.1	4.7	10.0	0.6

400Vdc (200Vac)					
C _N (μF)	W	H	T	P	d
0.082	12.3	9.4	5.0	10.0	0.6
0.10	12.3	9.9	5.4	10.0	0.6
0.12	12.3	10.3	5.9	10.0	0.6
0.15	17.5	10.6	5.4	15.0	0.6
0.18	17.5	11.0	5.8	15.0	0.6
0.22	17.5	11.5	6.3	15.0	0.6
0.27	17.5	12.0	6.8	15.0	0.6
0.33	17.5	12.7	7.4	15.0	0.6
0.39	17.5	13.7	8.0	15.0	0.8
0.47	17.5	14.4	9.2	15.0	0.8
0.56	17.5	15.1	9.9	15.0	0.8

■ 外形尺寸 Dimensions (mm)

250Vdc (160Vac)					
C _N (μF)	W	H	T	P	d
0.010	9.8	6.5	3.5	7.5	0.6
0.012	9.8	6.7	3.7	7.5	0.6
0.015	9.8	7.4	3.8	7.5	0.6
0.018	9.8	7.6	4.0	7.5	0.6
0.022	9.8	7.4	3.8	7.5	0.6
0.027	9.8	7.7	4.1	7.5	0.6
0.033	9.8	7.3	3.7	7.5	0.6
0.039	9.8	7.5	3.9	7.5	0.6
0.047	9.8	7.8	4.1	7.5	0.6
0.056	9.8	8.0	4.4	7.5	0.6
0.068	9.8	7.5	3.9	7.5	0.6
0.082	9.8	7.8	4.1	7.5	0.6
0.10	9.8	8.1	4.4	7.5	0.6
0.12	9.8	8.4	4.8	7.5	0.6
0.15	9.8	8.8	5.2	7.5	0.6
0.18	12.3	8.9	4.5	10.0	0.6
0.22	12.3	9.3	4.8	10.0	0.6
0.27	12.3	9.7	5.3	10.0	0.6
0.33	12.3	10.7	5.5	10.0	0.6
0.39	17.5	10.4	5.2	15.0	0.6
0.47	17.5	10.8	5.6	15.0	0.6
0.56	17.5	12.3	5.5	15.0	0.6
0.68	17.5	12.8	6.0	15.0	0.6
0.82	17.5	13.8	6.5	15.0	0.6
1.0	17.5	14.4	7.1	15.0	0.6
1.2	17.5	15.0	7.7	15.0	0.8
1.5	17.5	15.9	9.1	15.0	0.8
1.8	17.5	16.2	9.9	15.0	0.8
2.2	25.2	15.6	8.8	22.5	0.8
2.7	25.2	16.5	9.7	22.5	0.8
3.3	25.2	17.4	10.6	22.5	0.8
3.9	25.2	19.2	10.9	22.5	0.8
4.7	25.2	20.3	11.9	22.5	0.8
5.6	30.2	20.4	12.1	27.5	0.8
6.8	30.2	21.6	13.3	27.5	0.8
8.2	30.2	22.9	14.5	27.5	0.8
10.0	30.2	24.4	16.0	27.5	0.8

630Vdc (220Vac)					
C _N (μF)	W	H	T	P	d
0.010	12.3	7.4	3.8	10.0	0.6
0.012	12.3	7.6	4.0	10.0	0.6
0.015	12.3	7.7	4.0	10.0	0.6
0.018	12.3	7.9	4.2	10.0	0.6
0.022	12.3	8.2	4.5	10.0	0.6
0.027	12.3	8.5	4.9	10.0	0.6
0.033	12.3	8.9	5.2	10.0	0.6
0.039	12.3	9.2	5.6	10.0	0.6
0.047	12.3	9.7	6.0	10.0	0.6
0.056	12.3	10.1	6.5	10.0	0.6
0.068	12.3	10.7	7.0	10.0	0.6
0.082	12.3	11.3	7.6	10.0	0.6
0.10	17.5	11.5	6.3	15.0	0.6
0.12	17.5	12.0	6.8	15.0	0.6
0.15	17.5	12.7	7.5	15.0	0.8
0.18	17.5	13.8	8.1	15.0	0.8
0.22	17.5	14.5	9.3	15.0	0.8
0.27	17.5	15.4	10.2	15.0	0.8
0.33	17.5	16.3	11.1	15.0	0.8
0.39	17.5	17.2	12.0	15.0	0.8
0.47	25.2	16.4	9.7	22.5	0.8
0.56	25.2	17.2	10.5	22.5	0.8
0.68	25.2	18.2	11.4	22.5	0.8
0.82	25.2	19.3	12.5	22.5	0.8
1.0	30.2	19.9	11.6	27.5	0.8
1.2	30.2	22.0	12.6	27.5	0.8
1.5	30.2	22.5	14.1	27.5	0.8
1.8	30.2	23.8	15.5	27.5	0.8
2.2	30.2	25.5	17.1	27.5	0.8

1000Vdc (250Vac)					
C _N (μF)	W	H	T	P	d
0.0010	9.8	8.5	4.0	7.5	0.6
0.0012	9.8	8.7	4.3	7.5	0.6
0.0015	9.8	8.5	4.1	7.5	0.6
0.0018	9.8	8.7	4.3	7.5	0.6
0.0022	9.8	8.5	4.1	7.5	0.6
0.0027	9.8	8.8	4.4	7.5	0.6
0.0033	9.8	8.7	4.3	7.5	0.6
0.0039	9.8	8.9	4.5	7.5	0.6
0.0047	9.8	9.3	4.8	7.5	0.6
0.0056	12.3	8.5	4.1	10.0	0.6
0.0068	12.3	8.8	4.4	10.0	0.6
0.0082	12.3	9.1	4.7	10.0	0.6
0.010	12.3	9.4	5.0	10.0	0.6
0.012	12.3	9.8	5.4	10.0	0.6
0.015	12.3	10.8	5.6	10.0	0.6
0.018	12.3	11.3	6.1	10.0	0.6
0.022	12.3	11.9	6.7	10.0	0.6
0.027	17.5	11.8	5.0	5.0	0.6
0.033	17.5	12.3	5.5	15.0	0.6
0.039	17.5	12.7	5.9	15.0	0.6
0.047	17.5	13.2	6.5	15.0	0.8
0.056	17.5	13.8	7.0	15.0	0.8
0.068	17.5	14.5	7.7	15.0	0.8
0.082	17.5	15.2	8.5	15.0	0.8
0.10	17.5	16.6	9.7	15.0	0.8
0.12	25.2	15.3	8.3	22.5	0.8
0.15	25.2	16.2	9.2	22.5	0.8
0.18	25.2	17.1	10.1	22.5	0.8
0.22	25.2	18.1	11.1	22.5	0.8
0.27	25.2	20.2	11.7	22.5	0.8
0.33	30.2	20.1	11.6	27.5	0.8
0.39	30.2	21.2	12.6	27.5	0.8

1250Vdc (250Vac)					
C _N (μF)	W	H	T	P	d
0.0010	9.8	8.5	4.0	7.5	0.6
0.0012	9.8	8.7	4.3	7.5	0.6
0.0015	9.8	8.5	4.1	7.5	0.6
0.0018	9.8	8.7	4.3	7.5	0.6
0.0022	9.8	8.5	4.1	7.5	0.6
0.0027	9.8	8.8	4.4	7.5	0.6
0.0033	9.8	9.1	4.7	7.5	0.6
0.0039	9.8	9.4	5.0	7.5	0.6
0.0047	12.3	8.7	4.2	10.0	0.6
0.0056	12.3	8.9	4.5	10.0	0.6
0.0068	12.3	9.2	4.8	10.0	0.6
0.0082	17.5	9.0	4.6	15.0	0.6
0.010	17.5	9.4	5.0	15.0	0.6
0.012	17.5	9.1	4.7	15.0	0.6
0.015	17.5	9.5	5.1	15.0	0.6
0.018	17.5	9.9	5.4	15.0	0.6
0.022	17.5	10.3	5.9	15.0	0.6
0.027	25.2	9.7	5.2	22.5	0.6
0.033	25.2	10.1	5.7	22.5	0.6
0.039	25.2	10.5	6.1	22.5	0.8
0.047	25.2	11.0	6.6	22.5	0.8
0.056	30.2	11.4	6.2	27.5	0.8
0.068	30.2	12.0	6.7	27.5	0.8
0.082	30.2	12.6	7.3	27.5	0.8
0.10	30.2	14.8	7.8	27.5	0.8
0.12	30.2	15.4	8.5	27.5	0.8
0.15	30.2	16.4	9.4	27.5	0.8
0.18	30.2	18.3	9.7	27.5	0.8
0.22	30.2	19.3	10.7	27.5	0.8

400Vdc (200Vac)					
C _N (μF)	W	H	T	P	d
0.68	17.5	16.0	10.8	15.0	0.8
0.82	17.5	17.0	11.8	15.0	0.8
1.0	25.2	17.5	9.1	22.5	0.8
1.2	25.2	18.3	9.9	22.5	0.8
1.5	25.2	19.4	11.0	22.5	0.8
1.8	30.2	19.1	10.8	27.5	0.8
2.2	30.2	21.2	11.3	27.5	0.8
2.7	30.2	22.4	12.5	27.5	0.8
3.3	30.2	23.8	13.9	27.5	0.8
3.9	30.2	25.1	15.1	27.5	0.8
4.7	30.2	26.6	16.7	27.5	0.8

注：上表中未包含的产品规格可根据用户要求进行设计和制造

Note: Product specifications not included in this table can be designed and manufactured according to user requirements