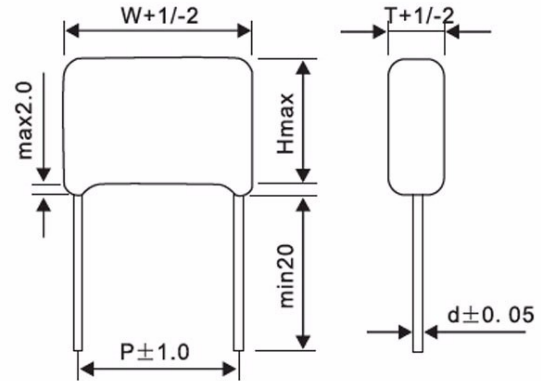




MER Series (CL21)



■ 特性 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，
- 阻燃环氧粉末包装 (UL94/V0)
- Metallized polyester film, non-inductive wound construction;
- Wide capacitance range, compact size and light weight;
- Excellent self-healing properties, long life;
- Flame retardant epoxy resin coated (UL94/V0)

■ 用 APPLICATION

- 用于与电源串联的电容降压电路场合；
- 用于直流和 VHF 级信号的隔直流、旁路和耦合；
- 用于开关电源、电子镇流器和变频器等中间电路直流滤波
- Used in filter and low pulse circuits;
- Used in DC circuits and DC blocking, bypassing and coupling circuits for VHF class signals.
- Used as intermediate circuits capacitor for SMPS, electronic ballast, converters

■ 性能参数 Technical data

引用技术标准 GB/T 17702(IEC61071) 、 AEC-Q200D

项目 Item	性能 Performance Characteristics	
使用温度范围 Operating Temperature range	-40 +105°C	
贮存温度范围 Storage Temperature range	-40 +105°C	
额定电压 Rated Voltage Range	63V~1250V.DC	
额定容量 Rated Capacity	0.001~21 μ F	
静电容量范围 Capacitance Tolerance	± 5% (J) / ±10% (K)	
介质损耗 (tanδ) Dissipation Factor (tan δ)	≤0.0015 at 20°C, 1K Hz	
耐电压 Voltage Proof	极间 V _{t-t}	1.5U _n (10S,20°C ±5°C)
	极壳 V _{t-c}	---
杂散电感 ESL	≤30nH	
绝缘电阻 IR	≥5000s at 100VDC/60S	
耐久性试验 Endurance	测试条件：温度 85°C ±3°C；施加额定电压 U _n ；试验时间 1000h.	
	静电容量变化 Capacitance change	Δ C/C ₀ ≤ 10%
	损耗角正切 D. F. (Tan δ)	Δ tanδ ≤ 1.2tanδ + 0.0001
预期寿命 Life	100000h (可参考寿命曲线图)	



MER Series (CL21)

50/63V(30/40VAC)

CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.12	10	7.1	3.5	7.5	
0.15	10	7.2	3.6	7.5	
0.18	10	7.0	3.4	7.5	
0.22	10	7.2	3.6	7.5	
0.27	10	7.6	4.0	7.5	
0.33	10	7.2	3.6	7.5	
0.39	10	7.4	3.8	7.5	
0.47	10	7.7	4.1	7.5	
0.56	10	8.1	4.5	7.5	
0.68	10	8.5	4.9	7.5	
0.82	12	8.1	4.5	10	
1	12	8.5	4.9	10	
1.2	12	9.0	5.4	10	
1.5	12	9.6	6.0	10	
1.8	12	10.2	6.6	10	
2.2	17	10.8	5.6	15	
2.7	17	11.4	6.2	15	
3.3	17	12.0	6.8	15	
3.9	17	12.8	7.6	15	
4.7	24	13.9	7.1	22.5	
5.6	24	14.0	7.2	22.5	
6.8	24	14.6	7.8	22.5	
8.2	24	15.9	9.1	22.5	
10	24	16.8	10.0	22.5	

100V (63VAC)

CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.12	10	7.1	3.5	7.5	
0.15	10	7.2	3.6	7.5	
0.18	10	7.0	3.4	7.5	
0.22	10	7.2	3.6	7.5	
0.27	10	7.6	4.0	7.5	
0.33	10	7.9	4.3	7.5	
0.39	10	8.3	4.7	7.5	
0.47	10	8.7	5.1	7.5	
0.56	12	8.3	4.7	10	

0.68	12	8.7	5.1	10	0.68
1	12	9.7	6.1	10	
1.2	12	10.3	6.7	10	
1.5	12	11.1	7.5	10	
1.8	17	12.8	6.0	15	
2.2	17	13.4	6.6	15	
2.7	17	14.1	7.3	15	
3.3	17	14.9	8.1	15	
3.9	17	15.6	8.8	15	
4.7	24	16.2	7.8	22.5	
5.6	24	16.9	8.5	22.5	
6.8	24	18.1	9.7	22.5	
8.2	24	19.0	10.6	22.5	
10	24	21.0	11.1	22.5	

250V(160VAC)

CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.01	10	6.6	3.0	7.5	
0.012	10	6.8	3.2	7.5	
0.015	10	6.9	3.3	7.5	
0.018	10	7.1	3.5	7.5	
0.022	10	3.9	3.3	7.5	
0.027	10	7.2	3.6	7.5	
0.033	10	6.8	3.2	7.5	
0.039	10	7.0	3.4	7.5	
0.047	10	7.2	3.6	7.5	
0.056	10	7.5	3.9	7.5	
0.068	10	7.0	3.4	7.5	
0.082	10	7.2	3.6	7.5	
0.1	10	7.5	3.9	7.5	
0.12	10	7.9	4.3	7.5	
0.15	10	8.3	4.7	7.5	
0.18	12	8.4	4.0	10	
0.22	12	8.7	4.3	10	
0.27	12	9.2	4.8	10	
0.33	12	10.2	5.0	10	
0.39	17	9.9	4.7	15	
0.47	17	10.3	5.1	15	
0.56	17	11.8	5.0	15	
0.68	17	12.3	5.5	15	
0.82	17	13.0	6.2	15	
1	17	13.6	6.8	15	
1.2	17	14.2	7.4	15	



1.5	17	15.4	8.6	15	
1.8	17	16.0	9.2	15	
2.2	24	15.1	8.3	22.5	
MER Series (CL21)					
2.7	24	16.0	9.2	22.5	
3.3	24	16.9	10.1	22.5	
3.9	24	18.8	10.4	22.5	
4.7	24	19.8	11.4	22.5	
5.6	29	20.0	11.6	27.5	
6.8	29	21.2	12.8	27.5	
8.2	29	22.4	14.0	27.5	
10	29	23.9	15.5	27.5	
400V (200VAC)					
CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.01	10	6.8	3.2	7.5	
0.012	10	7.0	3.4	7.5	
0.015	10	7.3	3.7	7.5	
0.018	10	6.8	3.2	7.5	
0.022	10	7.0	3.4	7.5	
0.027	10	7.3	3.7	7.5	
0.033	10	7.6	4.0	7.5	
0.039	10	7.7	4.1	7.5	
0.047	10	8.0	4.4	7.5	
0.056	12	8.2	3.8	10	
0.068	12	8.6	4.2	10	
0.082	12	8.9	4.5	10	
0.1	12	9.3	4.9	10	
0.12	12	9.8	5.4	10	
0.15	17	10.1	4.9	15	
0.18	17	10.5	5.3	15	
0.22	17	11.0	5.8	15	
0.27	17	11.5	6.3	15	
0.33	17	12.1	6.9	15	
0.39	17	12.9	7.7	15	
0.47	17	13.9	8.7	15	
0.56	17	14.6	9.4	15	
0.68	17	15.5	10.3	15	
0.82	17	16.5	11.3	15	
1	24	17.0	8.6	22.5	

1.2	24	17.8	9.4	22.5	
1.5	24	18.9	10.5	22.5	
1.8	12	8.2	3.8	10	
2.2	12	8.2	3.8	10	
2.7	12	8.2	3.8	10	
3.3	12	8.2	3.8	10	
3.9	12	8.2	3.8	10	
4.7	12	8.2	3.8	10	
250V(160VAC)					
CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.01	10	6.8	3.2	7.5	
0.012	10	7.0	3.4	7.5	
0.015	10	7.3	3.7	7.5	
0.018	10	6.8	3.2	7.5	
0.022	10	7.0	3.4	7.5	
0.027	10	7.3	3.7	7.5	
0.033	10	7.6	4.0	7.5	
0.039	10	7.7	4.1	7.5	
0.047	10	8.0	4.4	7.5	
0.056	12	8.2	3.8	10	
0.068	12	8.6	4.2	10	
0.082	12	8.9	4.5	10	
0.1	12	9.3	4.9	10	
0.12	12	9.8	5.4	10	
0.15	17	10.1	4.9	15	
0.18	17	10.5	5.3	15	
0.22	17	11.0	5.8	15	
0.27	17	11.5	6.3	15	
0.33	17	12.1	6.9	15	
0.39	17	12.9	7.7	15	
0.47	17	13.9	8.7	15	
0.56	17	14.6	9.4	15	
0.68	17	15.5	10.3	15	
0.82	17	16.5	11.3	15	
1	24	17.0	8.6	22.5	
1.2	24	17.8	9.4	22.5	
1.5	24	18.9	10.5	22.5	
1.8	12	8.2	3.8	10	
2.2	12	8.2	3.8	10	
2.7	12	8.2	3.8	10	
3.3	12	8.2	3.8	10	
3.9	12	8.2	3.8	10	



4.7	12	8.2	3.8	10	
630V(220VAC)					
CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.01	12	6.9	3.3	10	
0.012	12	7.1	3.5	10	
0.015	12	7.1	3.5	10	
0.018	12	7.3	3.7	10	
0.022	12	7.6	4.0	10	
0.027	12	8.0	4.4	10	
0.033	12	8.3	4.7	10	
0.039	12	8.7	5.1	10	
0.047	12	9.1	5.5	10	
0.056	12	9.6	6.0	10	
0.068	12	10.1	6.5	10	
0.082	12	10.7	7.1	10	
0.1	17	10.5	5.8	15	
0.12	17	11.0	6.3	15	
0.15	17	11.7	7.0	15	
0.18	17	13.0	7.8	15	
0.22	17	13.5	8.8	15	
0.27	17	14.4	9.7	15	
0.33	17	15.3	10.6	15	
0.39	17	16.2	11.5	15	
0.47	24	15.5	9.2	22.5	
0.56	24	16.3	10.0	22.5	
0.68	24	17.2	10.9	22.5	
0.82	24	18.3	12.0	22.5	
1	29	19.0	11.1	27.5	
1.2	29	20.9	12.5	27.5	
1.5	29	21.5	13.6	27.5	
1.8	29	22.9	15.0	27.5	
2.2	29	24.5	16.6	27.5	

1000V (250VAC)					
CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.001	10	7.9	3.5	7.5	
0.001	10	8.2	3.8	7.5	
0.002	10	8.0	3.6	7.5	
0.002	10	8.2	3.8	7.5	
0.002	10	8.0	3.6	7.5	
0.003	10	8.3	3.9	7.5	
0.003	10	8.2	3.8	7.5	
0.004	10	8.4	4.0	7.5	

0.005	10	8.7	4.3	7.5	
0.006	12	8.5	3.6	10	
0.007	12	8.8	3.9	10	
0.008	12	9.1	4.2	10	
0.01	12	9.4	4.5	10	
0.012	12	9.8	4.9	10	
0.015	12	10.3	5.1	10	
0.018	12	10.8	5.6	10	
0.022	12	11.4	6.2	10	
0.027	17	11.3	4.5	15	
0.033	17	11.8	5.0	15	
0.039	17	12.2	5.4	15	
0.047	17	12.8	6.0	15	
0.056	17	13.3	6.5	15	
0.068	17	14.0	7.2	15	
0.082	17	14.8	8.0	15	
0.1	17	16.0	9.2	15	
0.12	24	14.6	7.8	22.5	
0.15	24	15.5	8.7	22.5	
0.18	24	16.4	9.6	22.5	
0.22	24	17.4	10.6	22.5	
0.27	24	19.6	11.2	22.5	
0.33	29	19.5	11.1	27.5	
0.39	29	20.5	12.1	27.5	

1250V (250VAC)					
CN μ F	外形尺寸 mm			P (mm)	Part Number
	W	H	T		
0.001	10	7.9	3.5	7.5	
0.0012	10	8.2	3.8	7.5	
0.0015	10	8.0	3.6	7.5	
0.0018	10	8.2	3.8	7.5	
0.0022	10	8.0	3.6	7.5	
0.0027	10	8.3	3.9	7.5	
0.0033	10	8.6	4.2	7.5	
0.0039	10	8.9	4.5	7.5	
0.0047	12	8.1	3.7	10	
0.0056	12	8.4	4.0	10	
0.0068	12	8.7	4.3	10	
0.0082	17	8.5	4.1	15	
0.01	17	8.9	4.5	15	
0.012	17	8.6	4.2	15	



0.015	17	9.0	4.6	15	
0.018	17	9.3	4.9	15	
0.022	17	9.8	5.4	15	
0.027	24	9.1	4.7	22.5	
0.033	24	9.6	5.2	22.5	
0.039	24	10.0	5.6	22.5	
0.047	24	10.5	6.1	22.5	
0.056	29	10.9	5.7	27.5	

0.068	29	11.4	6.2	27.5	
0.082	29	12.0	6.8	27.5	
0.1	29	14.1	7.3	27.5	
0.12	29	14.8	8.0	27.5	
0.15	29	15.7	8.9	27.5	
0.18	29	17.6	9.2	27.5	
0.22	29	18.6	10.2	27.5	