



金属化聚酯膜电容器 CL21(MEF, MKT)

Metallized Polyester Film Capacitor Type: CL21

为无感结构，用金属化聚酯膜作为电介质/电极绕制而成，导线采用镀锡铜包钢线，使用环氧树脂包封。

Are non-inductively wound with metallized polyester film as dielectric/electrode with copper-clad steel leads and epoxy resin coating.

◆ 外形图: Outline Drawing:

		Forming Lead Shapes			
		I	II	III	IV
		$P > F$		$P < F$	
		$0\text{mm} < P-F < 3\text{mm}$	$3\text{mm} < P-F < 8\text{mm}$	$3\text{mm} < P-F < 5\text{mm}$	$0\text{mm} < P-F < 3\text{mm}$
		$F \pm 1.0\text{mm}; A \leq 5.0\text{mm}; B = 4.5 \pm 0.5\text{mm}$			

◆ 特性:

- 高阻抗
- 良好的可焊性
- 无感式结构和具有自愈性
- 小型化、节约空间

◆ Features:

- High moisture resistance
- Good solder ability
- Non-inductive construction and self-healing property
- Space-Saving small size

◆ 主要用途:

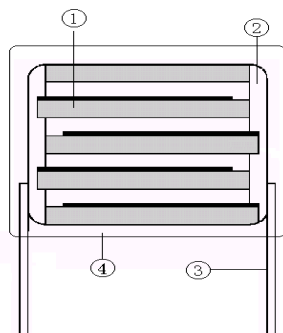
- 适用于直流和 VHF 级信号的隔直流、旁路和耦合。
- 广泛用于滤波、降噪、低脉冲电路。
- 彩电，音响，灯具，电话，计算机，程控交换机，传真机及仪器表

◆ Typical Applications:

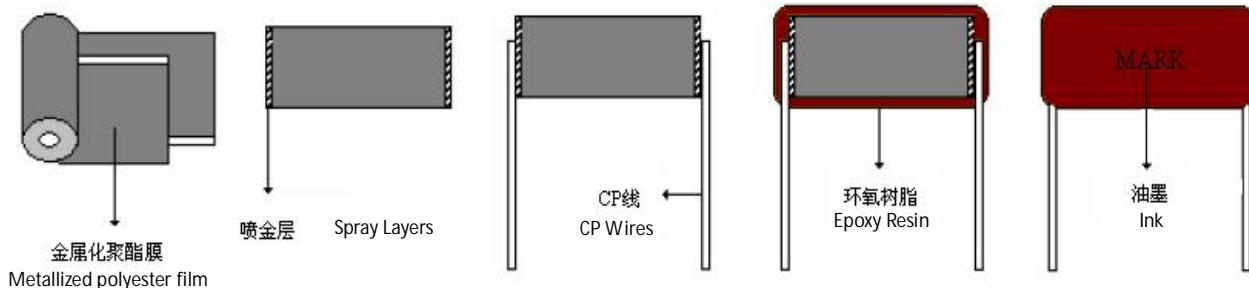
- Suitable for blocking ,by-pass and coupling of DC and single to VHF range.
- Widely used in filter ,noise suppression and low pulse circuits.
- Color TV, acoustics, CFL&HID lamps and ballast, telephone, computer, fax, meters, home appliance(hair drier, soymilk grinder, cooker, icebox, air conditioner, gas oven), torch, power supply,

◆ 结构图:

structure chart:



- | | |
|----------|---------------------------|
| ① 金属化聚酯膜 | Metallized polyester film |
| ② 喷金层 | Spray Layers |
| ③ CP 线 | CP Wires |
| ④ 环氧树脂 | Epoxy Resin |



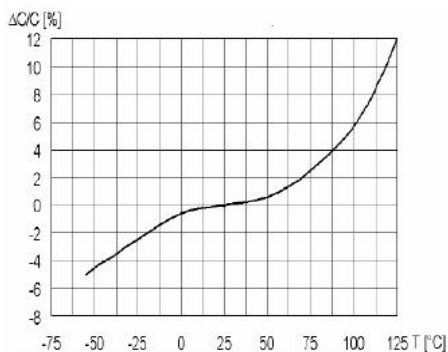
◆ 性能说明:
Specification:

参考标准 Reference Standards:	GB7335-87(China)IEC60 384-1(International Electric Committee) GB7332-87(China)														
额定电压 Rated Voltage(Ur):	100VDC; 250VDC; 400VDC; 630VDC														
Rated Temperature	85℃														
温度范围 Operation Temperature Range:	-55℃ - +105℃ (+85℃ to +105℃, decreasing factor 1.25% per℃ for Vr (dc))														
电容量范围 Capacitance Range:	0.001μF – 10μF														
电容量偏差范围 Capacitance Tolerance Range:	J(±5%); K(±10%); M (±20%)														
电介质 Dielectric:	聚酯膜 Polyester Film														
损耗角正切 Dissipation Factor Tanδ:	<table border="1"> <thead> <tr> <th>KHz</th> <th>C ≤ 1 μF</th> <th>> 1μF</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>≤1.0%</td> <td>≤1.0%</td> </tr> <tr> <td>10</td> <td>≤1.5%</td> <td>≤1.5%</td> </tr> <tr> <td>50</td> <td>≤2.2%</td> <td>≤2.5%</td> </tr> </tbody> </table>			KHz	C ≤ 1 μF	> 1μF	1	≤1.0%	≤1.0%	10	≤1.5%	≤1.5%	50	≤2.2%	≤2.5%
KHz	C ≤ 1 μF	> 1μF													
1	≤1.0%	≤1.0%													
10	≤1.5%	≤1.5%													
50	≤2.2%	≤2.5%													
绝缘电阻, 在引出端之间 20±5℃ 1Min Insulation Resistance (Between Terminals):	50VDC For Ur≤100VDC; 100VDC For Ur>100VDC 50VDC: Cr≤0.33μF ≥7500MΩ Cr>0.33μF ≥1250 MΩ·S 100VDC: Cr≤0.33μF ≥10000MΩ Cr >0.33μF ≥5000 MΩ·S														
耐电压 Withstand Voltage:	1.6Ur(5S)														
寿命试验: Life. Test Conditions:	120±2℃, 1.25Ur, 1,000Hours 电容变化率: 初始值的≤±5% Capacitance Drift: ≤±5% of The Initial Value 损耗角正切≤原测量值的 C≤1μF ≤5% (10KHz) Dissipation Factor C>1μF ≤3% (1KHz)														

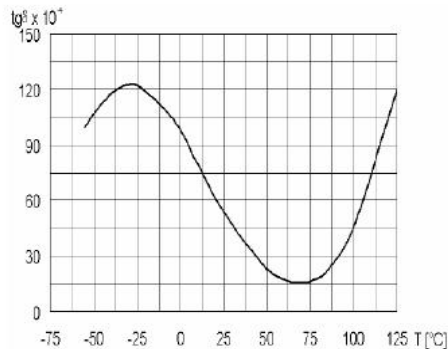


◆ 聚酯膜电容器特性曲线:

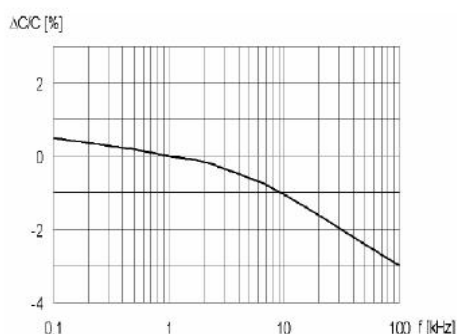
Polyester film capacitor characteristic curve:



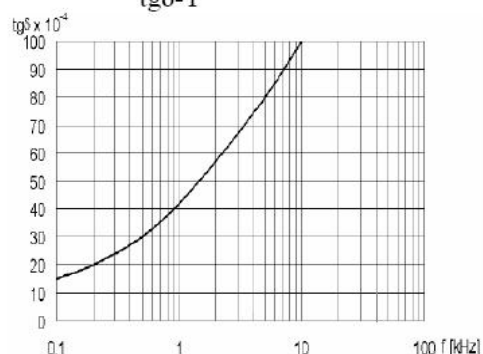
C-T



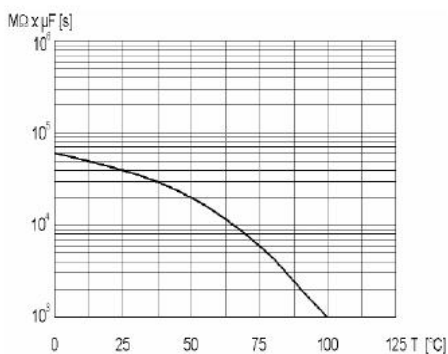
tgδ-T



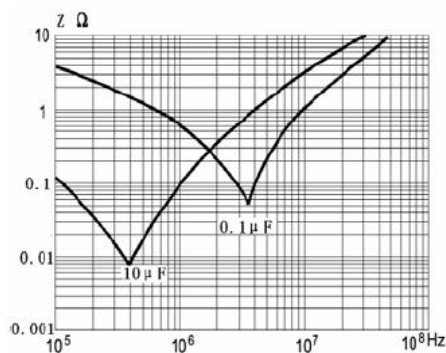
C-f



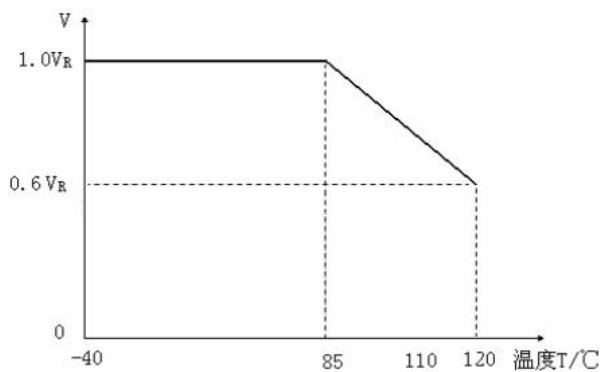
tgδ-f



R-T



Z-f



T-V

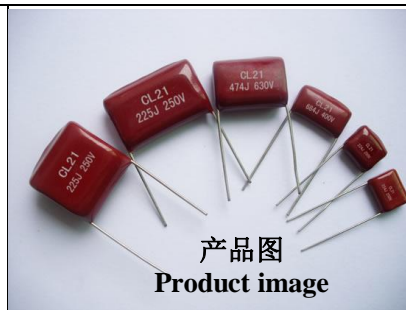


◆ 外形尺寸（mm）表
Dimension Lists（mm）

Cap Code			Cap Value μF			Part No			Dimensions (mm)				
									W max	H max	T max	P ± 1.0	d ± 0.05
63VDC/100VDC(63VAC)/160VDC													
104	0.1	MEF104K(J)100V	6.5	6	3.5	5	0.6						
154	0.15	MEF154K(J)100V	6.5	7	4.5	5	0.6						
224	0.22	MEF224K(J)63V	9.5	8	4.5	8	0.6						
334	0.33	MEF334K(J)63V	6.5	7.5	4.5	5	0.6						
474	0.47	MEF474K(J)63V	11.5	10.5	6	10	0.6						
474	0.47	MEF474K(J)100V	11.5	10.5	6	10	0.6						
684	0.68	MEF684K(J)63V				7.5	0.6						
105	1	MEF105K(J)100V	11.5	8.5	5	10	0.6						
155	1.5	MEF155K(J)100V				7.5	0.6						
225	2.2	MEF225K(J)160V	24	13	8	22	0.8						
475	4.7	MEF475K(J)100V	24	17	8	22	0.8						
250VDC(160VAC)													
473	0.047	MEF473K(J)250V	9.5	8	5	7.5	0.6						
104	0.1	MEF104K(J)250V	9.5	7	4	7.5	0.6						
224	0.22	MEF224K(J)250V	11.6	10.5	5.8	10	0.6						
474	0.47	MEF474K(J)250V	17	11.5	5	15	0.8						
684	0.68	MEF684K(J)250V	16.5	11.5	6.5	15	0.8						
105	1	MEF105K(J)250V	23	14	7	20	0.8						
155	1.5	MEF155K(J)250V	16.5	15	8	15	0.8						
225	2.2	MEF225K(J)250V	22	16.5	9.5	20	0.8						
475	4.7	MEF475K(J)250V	29	18.5	9.5	27.5	0.8						
400VDC(200VAC)													
103	0.01	MEF103K(J)400V	9.5	6.5	3.5	8	0.6						
333	0.033	MEF333K(J)400V	9.5	9	5.5	8	0.6						
473	0.047	MEF473K(J)400V	11.2	7.5	4	10	0.6						
104	0.1	MEF104K(J)400V	11.6	9.8	5.3	10	0.6						

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Metalized Polyester Film Capacitor Type:
CL21





山锐集团（香港）有限公司

SHANRUI HOLDING (HK) COMPANY LIMITED

630VDC(220VAC)							
103	0.01	MEF103K(J)630V	12	9	5	10	0.6
473	0.047	MEF473K(J)630V	11.5	10.5	7	10	0.6