



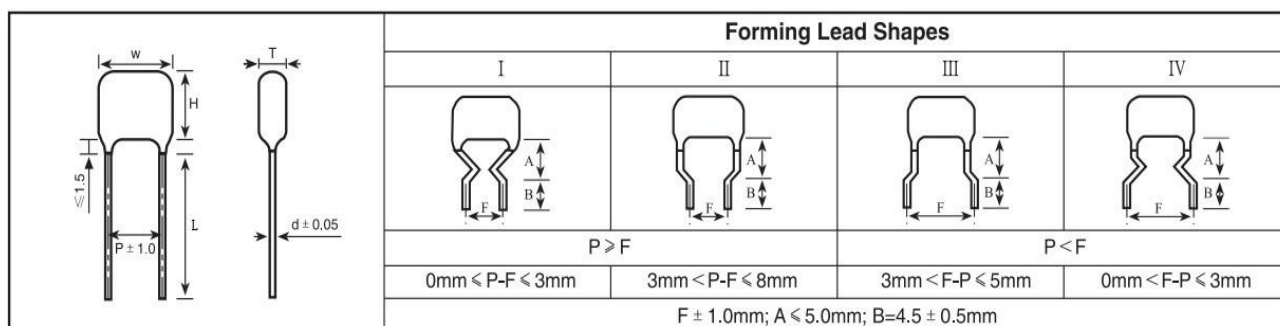
## CL21X (MES)

### Subminiature Metallized Polyester Film Capacitor Type: CL21X

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

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

#### ◆ 外形图: Outline Drawing:



#### ◆ 特性:

- 外观一致性好。
- 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:

- Appearance good consistency
- Good solder ability
- Non-inductive construction and self-healing property
- Space-Saving small size

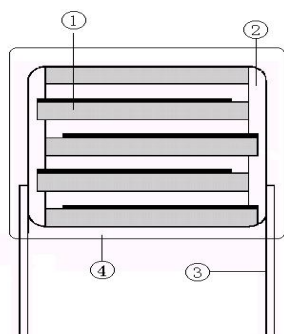
#### ◆ 主要用途:

- 用于开关电源、电子镇流器和变频器等中间电路直流滤波（如：DC-Link、PFC 等）。

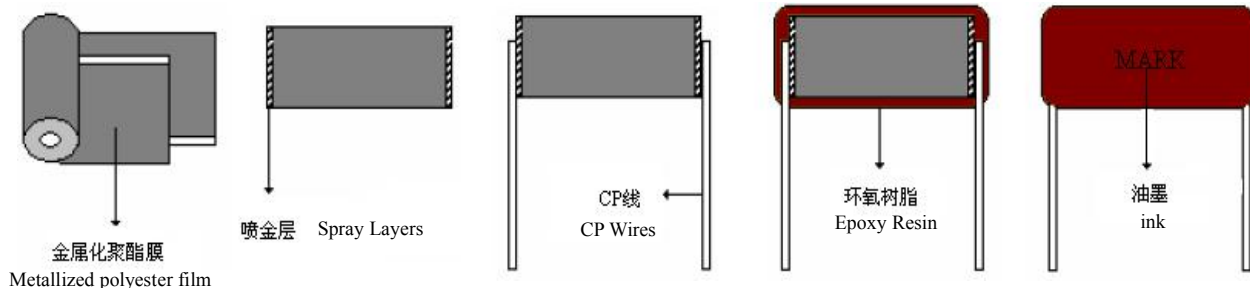
#### ◆ Typical Applications:

- As intermediate circuit capacitors for SMPS、electronic ballast, inverter (i.e. DC-Link、DC-Filter P.F.C), Low Frequency Filter, Blocking of DC ,

#### ◆ 结构图: structure chart:



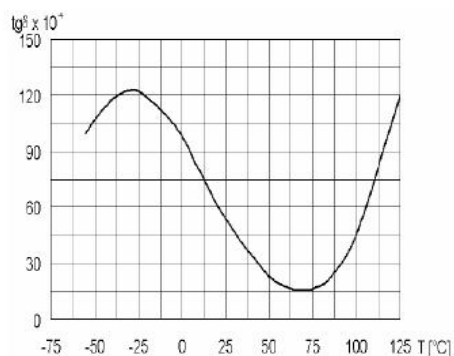
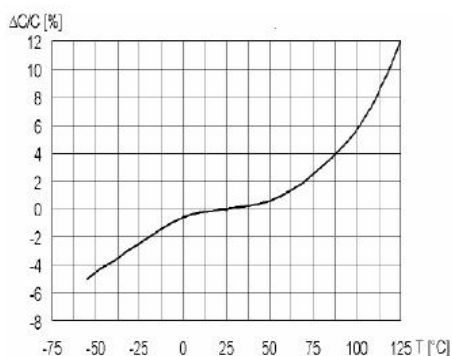
- |          |                           |
|----------|---------------------------|
| ① 金属化聚酯膜 | Metallized polyester film |
| ② 喷金层    | Spray Layers              |
| ③ CP 线   | CP Wires                  |
| ④ 环氧树脂   | Epoxy Resin               |



◆ 性能说明:  
Specification:

Reference Standards:	GB7332-87(China)
Rated Voltage(UR):	63VDC; 100VDC
Rated Temperature	85 °C (+85°C to +105°C, decreasing factor 1.25% per°C for VR (dc)
Operation Temperature Range:	-40°C - +105°C
Capacitance Range:	0.001 μ F – 1 μ F
Capacitance Tolerance Range:	J(±5%); K(±10%); M (±20%)
Dielectric:	Polyester Film
Dissipation Factor :	≤0.8% (20°C 1kHz)
Insulation Resistance:	CR ≤ 0.33μF ≥ 3750M Ω CR > 0.33μF ≥ 1250S (M Ω . μF)
Withstand Voltage:	1.6UR(5S)
Life. Test Conditions:	85 ± 2°C, 1.25UR, 1,000Hours Capacitance Drift: ≤ ± 5% of the initial value Dissipation Factor ≤ 2-3% of initial value (10KHz, 20°C)

◆ 聚酯膜电容器特性曲线:  
Polyester film capacitor characteristic curve:





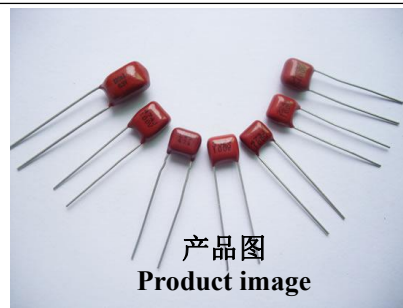
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**SHANRUI HOLDING (HK) COMPANY LIMITED**

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- ◆ 外形尺寸（mm）表  
Dimension Lists（mm） Diagram



**超小型金属化聚酯膜电容器 CL21X (MES)**  
**Subminiature Metallized Polyester Film**  
**Capacitor Type: CL21X**



Cap Code	Cap Value uF	Part No	Dimensions (mm)			
			Wmax	T max	H max	P ±1.0
63VDC/100VDC						
102	0.001	MES102J(K)100V	7.3	4.0	7.0	5.0
122	0.0012	MES122J(K)100V	7.3	4.0	7.0	5.0
152	0.0015	MES152J(K)100V	7.3	4.0	7.0	5.0
182	0.0018	MES182J(K)100V	7.3	4.0	7.0	5.0
222	0.0022	MES222J(K)100V	7.3	4.0	7.0	5.0
272	0.0027	MES272J(K)100V	7.3	4.0	7.0	5.0
332	0.0033	MES332J(K)100V	7.3	4.0	7.0	5.0
392	0.0039	MES392J(K)100V	7.3	4.0	7.0	5.0
472	0.0047	MES472J(K)100V	7.3	4.0	7.0	5.0
562	0.0056	MES562J(K)100V	7.3	4.0	7.0	5.0
682	0.0068	MES682J(K)100V	7.3	4.0	7.0	5.0
822	0.0082	MES822J(K)100V	7.3	4.0	7.0	5.0
103	0.01	MES103J(K)100V	7.3	4.0	7.0	5.0
123	0.012	MES123J(K)100V	7.3	4.0	7.0	5.0
153	0.015	MES153J(K)100V	7.3	4.0	7.0	5.0
183	0.018	MES183J(K)100V	7.3	4.0	7.0	5.0
223	0.022	MES223J(K)100V	7.3	4.0	7.0	5.0
273	0.027	MES273J(K)100V	7.3	4.0	7.0	5.0
333	0.033	MES333J(K)100V	7.3	4.0	7.5	5.0
393	0.039	MES393J(K)100V	7.3	4.5	7.5	5.0
473	0.047	MES473J(K)100V	7.3	4.5	7.5	5.0
563	0.056	MES563J(K)100V	7.3	4.5	8.0	5.0
683	0.068	MES683J(K)100V	7.3	4.5	8.0	5.0
823	0.082	MES823J(K)100V	7.3	4.5	8.0	5.0
104	0.1	MES104J(K)100V	7.3	4.5	9.5	5.0
124	0.12	MES124J(K)100V	10.2	4.5	8.0	7.5
154	0.15	MES154J(K)100V	10.2	4.5	9.0	7.5
184	0.18	MES184J(K)100V	10.2	4.5	9.0	7.5



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224	0.22	MES224J(K)100V	10.2	5.0	9.5	7.5
274	0.27	MES274J(K)100V	10.2	5.5	10.0	7.5
334	0.33	MES334J(K)100V	10.2	5.0	8.0	7.5
394	0.39	MES394J(K)100V	10.2	5.0	8.5	7.5
474	0.47	MES474J(K)100V	10.2	6.0	10.2	7.5
564	0.56	MES564J(K)100V	10.2	6.0	9.0	7.5
684	0.68	MES684J(K)100V	10.2	6.5	9.0	7.5
824	0.82	MES824J(K)100V	10.2	7.0	10.0	7.5
105	1	MES105J(K)100V	10.2	7.5	11.0	7.5