

# MEF (CL21) Metallized Polyester Film Capacitor (Coating)

## 金属化聚酯薄膜电容器（含浸型）

### ★ FEATURE

- Non-inductive construction
- Self-healing
- High reliable and superior performance in low frequency application

### 特点:

- 无感型结构
- 自愈性
- 低频应用中具高可靠性及优良特点

### ★APPLICATION

- Filter and noise suppression circuit
- Pulse, logic and timing circuit
- DC-blocking, by-passing and signal coupling in general communication equipment

### 用途:

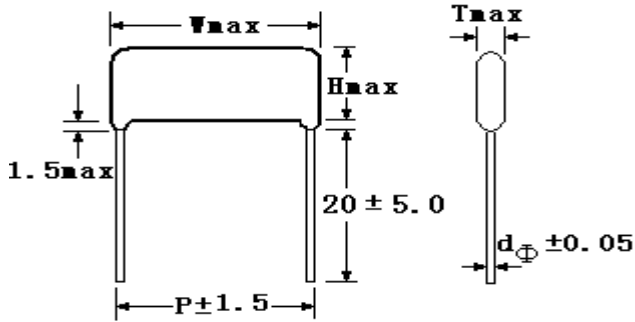
- 滤波及噪音抑制回路
- 脉冲、逻辑、定时回路
- 通讯设备中之直流减振，旁路及信号耦合

### ★SPECIFICATIONS 技术要求:

DIELECTRIC 介质	Polyester film 聚酯薄膜
ELECTRODES 电极	Vacuum evaporated metal 真空蒸镀金属
COATING 包封	Epoxy resin coating 环氧树脂封装
LEADS 导线	Radial leads of tinned wire 径向镀锡导线
REFERENCE STANDARD 引用标准	IEC 384-2 grade 1; SJ/T 10787-1996
CLIMATIC CATALOGUE 气候类别	40/85/21 (From 85 °C up to 105 °C with derating voltage 1.25%/ °C ) (85 °C至 105 °C间按 1.25%/ °C递减电压)
CAPACITANCE VERSUS RATED VOLTAGE( $U_R$ ) 静电容量与额定电压	0.001 $\mu$ F-10.0 $\mu$ F/100VDC      0.001 $\mu$ F-10.0 $\mu$ F/250VDC 0.001 $\mu$ F-4.7 $\mu$ F/400VDC      0.001 $\mu$ F-4.7 $\mu$ F/630VDC
CAPACITANCE TOLERANCE 静电容量误差	M=±20%    K=±10%    J=±5%
DISSIPATION FACTOR (TANGENT OF LOSS) 散逸因素 (损耗角正切)	$C \leq 1.0\mu F$ $DF \leq 0.8\%$ ; $C > 1.0\mu F$ $DF \leq 1.0\%$ (at 20 °C ,1KHz)
VOLTAGE PROOF 耐电压	1.6* $U_R$ Unit:VDC (5S at 20 °C )
INSULATION RESISTANCE 绝缘电阻	$C \leq 0.33\mu F$ , $IR \geq 15000M\Omega$ ; $C > 0.33\mu F$ , $IR * C \geq 3000S$ $U_R \leq 100V$ Testing by 50 V $U_R > 100V$ Testing by 100 V    (1minute at 20 °C and RH $\leq 65\%$ )
ENDURANCE 耐久性	1000 hours with 125% of rated voltage at 85 °C .After the test: 85 °C 条件下, 125% 之额定电压 1000 小时。试验完成后: $\Delta C/C \leq 8\%$ ; $\Delta DF \leq 0.30\%$ ( $C > 1\mu F$ ); $\Delta DF \leq 0.50\%$ ( $C \leq 1\mu F$ ) $IR \geq 50\%$ of the specified value (标称值) . (20 °C 1KHz)

★ OUTLINE DRAWING 外观图

★ PICTURE 实物图



★ DIMENSIONS 尺寸

UNIT 单位 :mm

CAPACITANCE	SYM BOL	100VDC					250VDC					400VDC					630VDC				
		μF	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P
102	0.001	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
222	0.0022	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
472	0.0047	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
822	0.0082	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.0	10.0	0.6
103	0.010	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6
153	0.015	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6
223	0.022	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6
333	0.033	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6	12.0	11.0	6.0	10.0	0.6
473	0.047	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	10.0	6.0	10.0	0.6	17.0	10.0	6.0	15.0	0.8
683	0.068	12.0	9.0	5.0	10.0	0.6	12.0	9.0	5.0	10.0	0.6	12.0	12.0	7.0	10.0	0.6	17.0	11.0	7.0	15.0	0.8
104	0.10	12.0	9.0	5.0	10.0	0.6	12.0	10.0	5.5	10.0	0.6	17.0	11.0	6.0	15.0	0.8	17.0	14.0	9.0	15.0	0.8
154	0.15	12.0	10.0	7.0	10.0	0.6	12.0	12.0	7.0	10.0	0.6	17.0	13.0	7.0	15.0	0.8	23.0	13.0	8.0	20.0	0.8
224	0.22	12.0	12.0	8.0	10.0	0.6	12.0	13.0	8.5	10.0	0.6	17.0	15.0	9.0	15.0	0.8	23.0	15.0	9.0	20.0	0.8
334	0.33	12.0	13.0	8.0	10.0	0.6	17.0	13.0	7.0	15.0	0.8	17.0	16.0	10.0	15.0	0.8	23.0	18.0	12.0	20.0	0.8
474	0.47	12.0	13.0	8.0	10.0	0.6	17.0	15.0	9.0	15.0	0.8	23.0	15.0	9.0	20.0	0.8	30.0	21.0	11.0	27.5	0.8
684	0.68	17.0	12.0	7.0	15.0	0.8	17.0	14.0	9.0	15.0	0.8	23.0	18.0	10.0	20.0	0.8	30.0	22.0	13.0	27.5	0.8
105	1.0	17.0	15.0	8.5	15.0	0.8	17.0	17.0	10.0	15.0	0.8	24.0	20.0	13.0	22.5	0.8	31.0	25.5	15.5	27.5	0.8
155	1.5	17.0	16.0	9.0	15.0	0.8	24.0	16.0	9.0	22.5	0.8	30.0	20.0	11.0	27.5	0.8	31.0	33.0	21.0	27.5	0.8
225	2.2	18.0	17.0	11.0	15.0	0.8	24.0	19.0	10.0	22.5	0.8	31.0	26.0	16.0	27.5	0.8	36.0	31.0	21.0	31.5	0.8
335	3.3	24.0	18.0	12.0	22.5	0.8	30.0	23.0	14.0	27.5	0.8	31.0	29.5	19.0	27.5	0.8	43.0	32.0	24.5	41.5	0.8
475	4.7	30.0	22.0	13.0	27.5	0.8	31.0	25.5	16.0	27.5	0.8	36.0	32.0	22.5	31.5	0.8	54.0	34.5	24.5	51.5	0.8
685	6.8	30.0	23.5	15.5	27.5	0.8	43.0	20.0	15.0	41.5	0.8										
106	10.0	31.0	25.5	20.0	27.5	0.8	43.0	24.0	19.0	41.5	0.8										

(SPECIAL SIZE OR ITEMS ON REQUEST) 可依需求制作特殊规格