

MEM (CL21X) Metallized Polyester Film Capacitor (Miniature) 金属化聚酯薄膜电容器（小型化）

★ FEATURE

- Small size can be compared favourably with the stack film capacitor
- Excellent self-healing and high reliability
- Non-inductive construction
- Space saving miniature size

★APPLICATION

- Blocking coupling of DC and signals to VHF range
- Pulse, logic and timing circuit
- Light duty pulse forming network

特点:

- 体积小可与叠片式电容相比
- 良好自愈及高可靠性
- 无感型结构
- 尺寸小，节省空间

用途:

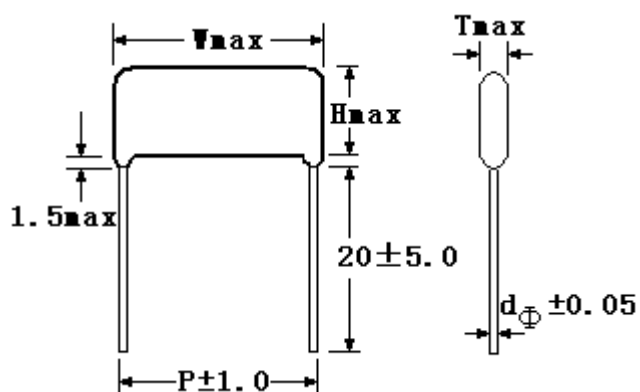
- 直流减振，耦合及高频信号
- 脉冲、逻辑、定时回路
- 网路中弱小信号形成

★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 10874-1996
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 μ F-0.47 μ F/ 50/100VDC ; 0.001 μ F-0.15 μ F/ 250VDC 0.001 μ F-0.033 μ F/ 400VDC ; 0.001 μ F-0.015 μ 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)	DF ≤ 0.8% (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, $IR \geq 5000M\Omega$; $C > 0.33\mu$ 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 ≤ 65%)
ENDURANCE 耐久性	500 hours with 125% of rated voltage at 85 °C .After the test: 85 °C 条件下，125% 之额定电压 500 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 外形图

★ PICTURE 实物图



★ DIMENSIONS 尺寸

UNIT 单位: mm

CAPACITANCE		50V/100VDC					250VDC					400VDC					630VDC				
SYMBOL	μF	W	H	T	P	dΦ	W	H	T	P	dΦ	W	H	T	P	dΦ	W	H	T	P	dΦ
102	0.0010	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
152	0.0015	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
222	0.0022	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
332	0.0033	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
472	0.0047	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6					
682	0.0068	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	4.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	7.3	8.0	4.5	5.0	0.6					
103	0.010	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.5	5.0	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	8.0	10.0	5.5	5.0	0.6					
153	0.015	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	9.0	8.0	5.0	7.5	0.6	10.0	10.0	6.5	7.5	0.6
		7.3	7.0	4.0	5.0	0.6	7.3	7.0	4.0	5.0	0.6	8.0	11.5	6.0	5.0	0.6					
223	0.022	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	10.0	8.0	5.5	7.5	0.6					
		7.0	7.0	3.5	5.0	0.6	7.3	8.0	4.5	5.0	0.6	8.0	13.0	7.0	5.0	0.6					
333	0.033	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.0	7.5	0.6	10.0	10.0	9.0	7.5	0.6					
		7.3	7.5	4.5	5.0	0.6	8.0	9.0	5.5	5.0	0.6	8.0	14.0	8.0	5.0	0.6					
473	0.047	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.5	7.5	0.6										
		7.5	7.0	4.0	5.0	0.6	8.0	10.5	5.5	5.0	0.6										
683	0.068	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.5	7.5	0.6										
		7.3	9.5	4.5	5.0	0.6	8.0	11.5	7.0	5.0	0.6										
104	0.10	9.0	8.0	5.0	7.5	0.6	9.0	8.0	5.5	7.5	0.6										
		8.0	10.5	5.5	5.0	0.6	8.0	13.5	7.5	5.0	0.6										
154	0.15	9.0	8.0	5.0	7.5	0.6	8.0	14.5	8.5	5.0	0.6										
		8.0	11.5	6.0	5.0	0.6															
224	0.22	10.0	7.5	5.0	7.5	0.6															
		8.0	13.0	7.5	5.0	0.6															
334	0.33	10.0	8.0	5.5	7.5	0.6															
		8.0	14.0	8.5	5.0	0.6															
474	0.47	10.0	10.0	6.5	7.5	0.6															

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