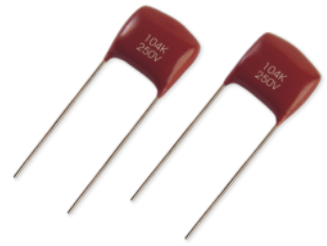


# METALLIZED CAPACITORS

## MINIATURIZED METALLIZED POLYESTER FILM CAPACITORS

MSF

### Series 金屬化聚酯膜電容器(小型化)



#### 結構 CONSTRUCTION

Polyester film dielectric with vacuum-evaporated metal electrodes, axial leads of tinned wire are electrically welded to the contact metal layer on the ends of capacitor winding, epoxy resin coating.

聚酯膜介質，真空蒸金屬電極，徑向度錫導線點焊於電容器兩面金屬層，環氧樹脂指封裝。

#### 特點 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.

面積小，可與疊片式電容相比。

良好自愈及可靠性。

無感型結構。

尺寸小，節省空間。

#### 用途 APPLICATION

Blocking coupling of DC and signals to VHF range.

Pulse, logic and timing circuit.

Light duty pulse forming network.

直流減振，耦合及高頻信號。

脈衝、邏輯及定時回路。

網絡中弱小信號形成。

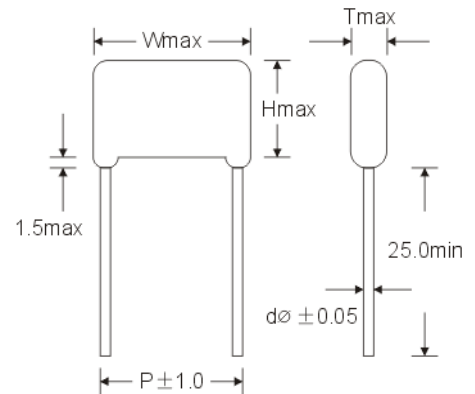
#### 技術要求 SPECIFICATIONS

引用標準 Reference Standard	Q73201GDJU 042-1998
溫度範圍 Temperature Range	-40°C ~ +85°C (From 85°C up to 105°C with derating voltage 1.25%/°C 85°C 至 105°C 間按 1.25%/°C 遞減電壓)
靜電容量誤差 Capacitance Tolerance	K = ±10% J = ±5%
損失角(損耗角正切) Dissipation Factor (Tangent of Loss)	< 0.8% (20°C, 1kHz)
耐電壓 Voltage Proof	1.6U <sub>n</sub> (5s)
絕緣電阻 Insulation Resistance	> 15000MΩ CR ≤ 0.33 μF > 5000s CR > 0.33 μF (20°C, 1min)
耐久性 Endurance	500hours with 125% of rated voltage at 85°C after the test 85°C 條件下， 125% 之額定電壓 500 小時，試驗完成後 ΔC/C ≤ 5% Δ(DF) ≤ 0.20% ΔC > 0.33 μF; 1R > 4500MΩ; C > 0.33 μF; IR * C ≥ 1500 ΩF (20°C 1KHZ)

#### 尺寸 DIMENSION

單位 Unit:mm

CAPACITANCE	63/100VDC					250VDC					400VDC					630VDC					
	SYMBOL	μF	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P	dφ	W	H	T	P
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	7.5	4.5	7.5	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	7.5	4.5	7.5	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	7.5	4.5	7.5	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	7.5	4.5	7.5	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	7.5	4.5	7.5	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
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	8.0	5.0	7.5	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
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	5.0	7.5						
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						
473	0.047	9.0	7.5	4.0	7.5	0.6	9.0	7.5	4.5	7.5	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										
104	0.10	9.0	8.0	5.0	7.5	0.6	9.0	8.0	5.5	7.5	0.6										
154	0.15	9.0	8.0	5.0	7.5	0.6															
224	0.22	10.0	7.5	5.0	7.5	0.6															
334	0.33	10.0	8.0	5.5	7.5	0.6															
474	0.47	10.0	10.0	6.5	7.5	0.6															
684	0.68	9.5	7.7	4.3	7.5	0.6															
105	1.00	12.0	9.2	4.3	10.0	0.6															



可依需求制作特殊規格(SPECIAL SIZE OR ITEMS ON REQUEST)