

MPC Series 金屬化聚丙烯膜匣式電容器

結構 CONSTRUCTION

MPC are constructed with metallized Polypropylene film dielectric, copper-clad steel lead, encapsulated in plastic case with epoxy resin sealed. They are suitable for filtering, by-pass, decoupling, coupling blocking, timing circuit and ideal for use in data processing, telecommunication equipments, industrial, automatic 聚丙烯膜介質，真空蒸金屬電極，經向鍍錫導線點焊于電容器兩端面金屬層，環氧樹脂封裝。

特點 FEATURE

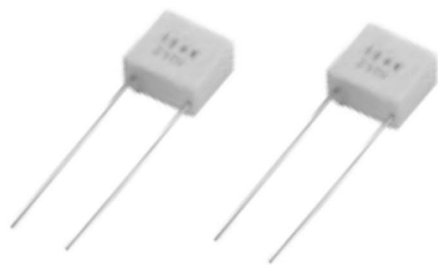
- Non-inductive and self-healing.
- Low DF and high IR.
- High stability of capacitance and DF versus temperature and frequency.
- Very small inherent temperature rise.

無感型，自愈型。
低耗損，高絕緣。
容量、耗損隨溫度頻率具高穩定性。
極低內部溫升。

用途 APPLICATION

- General resonance circuit.
- Widely used in DC pulse, high frequency and high current circuit.
- Providing optimum performance with small size in s-shaping correction of Colour TV set.

諧振回路。
適用於直流、脈衝高頻大電流回路。
適用於要求體積小性能優的彩電S校正電路。



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技術要求 SPECIFICATIONS

引用標準 Reference Standard	IEC 384- 16 ; GB ; GB 10190
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	M= ±20% K= ±10% J= ±5%
散逸因素(損耗角正切) Dissipation Factor (Tangent of Loss)	≤0.10% (at 20°C, 1KHZ)
耐電壓 Voltage Proof	1.6*U _R (1 minute at 20°C)
絕緣電阻 Insulation Resistance	C≤0.1 μF, IR≥30,000MΩ; C>0.1 μF, IR* C ≥3,000ΩF(1 minute at 20°C and RH ≤ 65%)
耐久性 Endurance	1000hours with 125% of rated voltage at 85°C after the test 85°C 條件下，125%之額定電壓1000小時，試驗完成後 ΔC/C≤2% Δ(DF)≤0.04%; C≤0.1 μF; IR* C ≥1500ΩF; C≤0.10 μF; IR ≥15000MΩ (at 20°C 1KHZ)

尺寸 DIMENSION: BOX SIZE REF. MEC SERIES

CAP	R.V. TYPE	100 VDC	250 VDC	400 VDC	630 VDC	1KV	1.6KV	2KV
		101~821	100pF~820pF	B3/C1	B3/C1	B3/C1	B3/C1	B3/C1
102~222	1nF~2.2nF	B3/C1	B3/C1	B3/C1	B3/C1	B3/C1	C3/D2	D4
332	3.3nF	B3/C1	B3/C1	B3/C1	B3/C1	B3/C1	C5/D3	D5/E1
472	4.7nF	B3/C1	B3/C1	B3/C1	B3/C1	B4/C2/D1	D4/E1	E2
682	6.8nF	B3/C1	B3/C1	B3/C1	B3/C1	B6/C3/D1	D6/E2	E4/F1
103	10nF	B3/C1	B3/C1	B3/C1	B3/C1	C5/D2	D8/E2	E6/F1
153	15nF	B3/C1	B3/C1	B3/C1	B4/C2	D5/E1	E3/F1	F3
223	22nF	B3/C1	B3/C1	B4/C1	B4/C2	D7/E2	E7/F2	F4/G1
333	33nF	B4/C1	B4/C1	B5/C2	B5/C2	D8/E4	F4/G1	F6/G3
473	47nFF	B4/C2	B4/C2	B5/C2	B6/C3/D1	E6/F1	F5/G2	G4
683	68nFF	B5/C2	B5/C2	B5/C3/D1	C4/D2	E7/F2	G3	H1
104	100nF	B5/C2	B5/C2	B6/C4/D1	C5/D3	F4/G1	G4/H1	H2
154	150nF	C4/D1	C4/D1	C6/D3	D4/E1	F6/G3	H2	H3
224	220nF	C6/D2	C6/D2	D4	D6/E2	G4	H3	
334	330nF	D3	D3	D6/E1	D8/E3	H1		
474	470nF	D4	D4	D8/E2	E4/F1	H2		
684	680nF	D6/E1	D6/E1	E3	E7/F2	H2		
105	1μF	D7/E2	D7/E2	E4/F1	F3	H3		
155	1.5 μF	E4	E4	E5/F1	F4/G1			
225	2.2 μF	E5/F1	E5/F1	F3/G1	F6/G2			
335	3.3 μF	F3/G1	F3/G1	F5/G2	G4			
475	4.7 μF	F5/G2	F5/G2	G4	H1			
685	6.8 μF	G3	G3	H1	H2			
106	10 μF	G4/H1	G4/H1	H2	H3			
156	15 μF	H2	H2	H3				