

MPT Series 金屬化聚丙烯稀薄膜電容器(管型)

結構 CONSTRUCTION

MPT are non-inductively wound with metallized Polypropylene film as dielectric/enectrode with copper-clad steel leads with epoxy resin coating. Winding out wrapped with Mylar tape and ends sealed with epoxy resin. They are suitable for blocking, filtering, by-pass, coupling, decoupling and timing circuits with application in telecommunication, data processing, industrial instruments and automatic control system equipments.

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，瑪拉膠帶包封，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。

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 (1 minute at 20°C and RH ≤ 65%) C>0.1 μF IR*°C≥3,000ΩF		
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)		

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。



71

尺寸 DIMENSIONS

單位:Unit:mm

容量 CAPACITANCE		250VDC			400VDC			630VDC			1000VDC			1200VDC			1600VDC			2000VDC		
符號 SYMBOL	μF	L	OD	dø	L	OD	dø	L	OD	dø	L	OD	dø	L	OD	dø	L	OD	dø	L	OD	dø
221	220pF										16.0	5.0	0.6	16.0	5.0	0.6	16.0	5.0	0.8	21.0	5.0	0.8
471	470pF										16.0	5.0	0.6	16.0	5.0	0.6	16.0	5.0	0.8	21.0	5.0	0.8
681	680pF										16.0	5.0	0.6	16.0	5.0	0.6	16.0	6.0	0.8	21.0	6.0	0.8
102	0.001							16.0	5.0	0.6	16.0	5.0	0.6	16.0	5.0	0.6	16.0	7.0	0.8	21.0	7.0	0.8
152	0.0015							16.0	5.0	0.6	16.0	6.0	0.6	16.0	6.0	0.6	16.0	8.0	0.8	21.0	8.0	0.8
222	0.0022							16.0	5.0	0.6	16.0	7.0	0.6	16.0	7.0	0.6	16.0	9.0	0.8	21.0	10.0	0.8
332	0.0033							16.0	5.0	0.6	16.0	8.0	0.6	16.0	8.0	0.6	16.0	10.0	0.8	21.0	12.0	0.8
472	0.0047							16.0	5.0	0.6	16.0	9.0	0.6	16.0	9.0	0.6	16.0	11.0	0.8	26.0	13.0	0.8
682	0.0068							16.0	5.0	0.6	16.0	10.0	0.6	16.0	10.0	0.6	21.0	12.0	0.8	26.0	15.0	0.8
103	0.01				16.0	5.0	0.6	16.0	6.0	0.6	16.0	11.0	0.6	16.0	11.0	0.6	26.0	12.0	0.8	36.0	17.0	0.8
153	0.015				16.0	5.0	0.6	16.0	6.0	0.6	21.0	11.0	0.8	21.0	11.0	0.8	26.0	15.0	0.8	36.0	21.0	0.8
223	0.022	16.0	5.0	0.6	16.0	5.0	0.6	16.0	7.0	0.6	21.0	13.0	0.8	21.0	13.0	0.8	36.0	18.0	0.8	36.0	24.0	0.8
333	0.033	16.0	5.0	0.6	16.0	6.0	0.6	16.0	8.0	0.6	26.0	15.0	0.8	26.0	15.0	0.8	36.0	22.0	0.8	36.0	28.0	0.8
473	0.047	16.0	6.0	0.6	16.0	7.0	0.6	16.0	9.0	0.6	26.0	17.0	0.8	26.0	17.0	0.8	36.0	23.0	0.8	46.0	32.0	0.8
683	0.068	16.0	7.0	0.6	16.0	8.0	0.6	16.0	10.0	0.6	36.0	17.0	0.8	36.0	18.0	0.8	46.0	27.0	0.8	46.0	35.0	0.8
104	0.1	16.0	8.0	0.6	16.0	9.0	0.6	21.0	10.0	0.8	36.0	20.0	0.8	36.0	21.0	0.8	46.0	33.0	0.8	56.0	40.0	0.8
154	0.15	16.0	9.0	0.8	21.0	9.0	0.8	21.0	11.0	0.8	36.0	25.0	0.8	36.0	26.0	0.8	56.0	35.0	0.8			
224	0.22	21.0	9.0	0.8	21.0	10.0	0.8	21.0	14.0	0.8	46.0	24.0	0.8	46.0	25.0	0.8	56.0	40.0	0.8			
334	0.33	21.0	11.0	0.8	21.0	12.0	0.8	21.0	17.0	0.8	46.0	30.0	0.8	46.0	32.0	0.8						
474	0.47	21.0	14.0	0.8	21.0	15.0	0.8	26.0	17.0	0.8	56.0	36.0	0.8	56.0	38.0	0.8						
684	0.68	26.0	15.0	0.8	26.0	16.0	0.8	36.0	17.0	0.8	76.0	35.0	0.8	76.0	38.0	0.8						
105	1.0	36.0	15.0	0.8	36.0	16.0	0.8	36.0	20.0	0.8												
155	1.5	36.0	17.0	0.8	36.0	19.0	0.8	36.0	25.0	0.8												
225	2.2	36.0	20.0	0.8	36.0	22.0	0.8	46.0	25.0	0.8												
335	3.3	36.0	22.0	0.8	36.0	24.0	0.8	46.0	30.0	0.8												
475	4.7	46.0	25.0	0.8	46.0	28.0	0.8	56.0	30.0	0.8												
685	6.8	46.0	30.0	0.8	46.0	34.0	0.8	56.0	38.0	0.8												
106	10	56.0	32.0	0.8	56.0	34.0	0.8	76.0	38.0	0.8												
156	15	56.0	35.0	0.8	56.0	38.0	0.8															