

POLYPROPYLENE FILM/FOIL CAPACITORS(NON-INDUCTIVE)



PPN & PPF Series 聚丙烯膜一箔式電容器(無感型)

結構 CONSTRUCTION

PPN are Polypropylene film dielectric with aluminum foil electrodes, radial leads of tinned wire are electrically welded to the outer foil (or the contact metal layer) on the ends of capacitor winding, epoxy resin coating. 聚丙烯膜介質，鋁箔電極，經向鍍錫導線點焊于電容器兩端面外覆鋁箔（或金屬層），環氧樹脂含浸。

特點 FEATURE

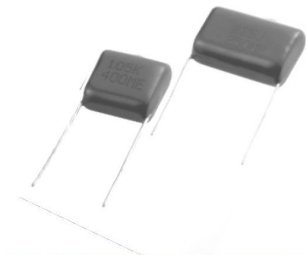
- High stability of capacitance and DF versus temperature and frequency.
- Low DF and high IR.
- Non-inductive construction.
- High pulse rise rate (du/dt) and suitable for large current circuit.

容量損耗隨溫度頻率具高穩定性。
低損耗，高絕緣。
無感型結構。
高電流爬升速率并適用於大電流回路。

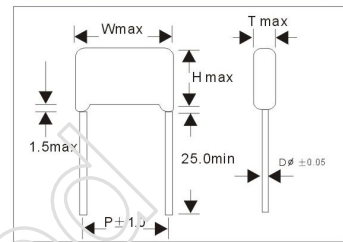
用途 APPLICATION

- Most suitable for high frequency large current circuit and S-shaping correction in TV set.
- Widly used in high frequency, high voltage DC and pulse circuits.
- Filter and noise suppression circuit.

電視中 S-形校正回路及高頻壓回路。
廣泛應用於高頻、大電流、直流、脈衝回路。
濾波及噪音抑制回路



外型圖 OUTLINE DRAWING



技術要求 SPECIFICATIONS

引用標準 Reference Standard	IEC 384- 3; Gb 9606
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≤0.10 μF IR≥30,000MΩ C>0.10 μF IR* C ≥3,000 ΩF (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≤5% Δ(DF)≤0.04%; C≤0.10 μF; IR≥15000Ω; C>0.33 μF; IR* C ≥1500 ΩF (20°C 1KHZ)

尺寸 (Dimensions)

單位: Unit: mm

容量 CAPACITANCE 符號 SYMBOL	250VDC					400VDC					630VDC					1000VDC					1200VDC					1600VDC					
	μF	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d					
4 / 1 0.00047																	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5
561 0.00056																	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5
681 0.00068																	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5
821 0.00082																	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5
102 0.0010												13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	10.0	6.0	10.0	0.5
152 0.0015												13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	11.0	7.0	10.0	0.5
222 0.0022												13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	9.0	6.0	10.0	0.5	13.0	13.0	8.0	10.0	0.5
332 0.0033												13.0	8.0	5.0	10.0	0.5	13.0	9.0	6.0	10.0	0.6	13.0	11.0	6.0	10.0	0.6	18.0	12.0	8.0	15.0	0.6
472 0.0047												13.0	8.0	5.0	10.0	0.5	13.0	9.0	6.0	10.0	0.6	13.0	10.0	6.0	10.0	0.6	13.0	12.5	7.5	10.0	0.6
682 0.0068												13.0	8.0	5.0	10.0	0.5	13.0	10.0	6.0	10.0	0.6	13.0	11.0	7.0	10.0	0.6	18.0	12.0	7.0	15.0	0.6
103 0.010	13.0	8.0	5.0	10.0	0.5	13.0	8.0	5.0	10.0	0.5	13.0	13.0	7.0	10.0	0.6	13.0	12.0	8.0	10.0	0.6	18.0	14.0	9.0	15.0	0.8	18.0	20.0	11.0	15.0	0.8	
153 0.015	13.0	8.0	5.0	10.0	0.5	13.0	10.0	6.0	10.0	0.5	13.0	14.0	8.0	10.0	0.6	18.0	14.0	9.5	15.0	0.8	18.0	16.0	9.5	15.0	0.8	24.0	20.0	11.0	20.0	0.8	
223 0.022	13.0	10.0	5.0	10.0	0.5	13.0	13.0	8.0	10.0	0.5	18.0	14.0	10.0	15.0	0.8	18.0	16.5	10.0	15.0	0.8	24.0	16.0	10.0	20.0	0.8	24.0	22.0	13.0	20.0	0.8	
333 0.033	13.0	12.5	8.0	10.0	0.5	18.0	14.0	9.0	15.0	0.6	18.0	18.0	12.5	15.0	0.8	24.0	18.0	12.0	20.0	0.8	24.0	18.0	12.0	20.0	0.8	24.0	23.0	15.0	20.0	0.8	
473 0.047	18.0	14.0	10.0	15.0	0.6	18.0	18.0	12.5	15.0	0.6	24.0	18.0	13.0	20.0	0.8	24.0	20.0	14.0	20.0	0.8	24.0	20.0	14.0	20.0	0.8	31.0	24.0	15.0	27.5	0.8	
683 0.068	18.0	20.0	15.0	15.0	0.6	24.0	18.0	12.5	20.0	0.8	24.0	20.0	14.0	20.0	0.8	24.0	24.0	14.0	20.0	0.8	24.0	24.0	14.0	20.0	0.8	31.0	26.0	18.0	27.5	0.8	
104 0.10	24.0	20.0	14.0	20.0	0.8	24.0	20.0	15.0	20.0	0.8	31.0	22.0	14.0	27.5	0.8	31.0	22.0	15.0	27.5	0.8	31.0	22.0	15.0	27.5	0.8	31.0	28.0	20.0	27.5	0.8	
154 0.15	24.0	22.0	15.0	20.0	0.8	24.0	24.5	16.5	20.0	0.8	31.0	24.0	15.0	27.5	0.8	31.0	24.0	18.0	27.5	0.8	31.0	24.0	18.0	27.5	0.8	35.0	30.0	20.0	32.5	0.8	
224 0.22	24.0	24.0	15.5	20.0	0.8	31.0	26.0	16.5	27.5	0.8	31.0	27.0	17.0	27.5	0.8	31.0	26.0	20.0	27.5	0.8	31.0	26.0	20.0	27.5	0.8	40.0	30.0	20.0	37.5	0.8	
334 0.33	24.0	25.0	17.0	20.0	0.8	31.0	29.0	17.5	27.5	0.8	31.0	32.0	18.0	27.5	0.8	35.0	28.0	22.0	32.5	0.8	35.0	28.0	22.0	32.5	0.8						
474 0.47	31.0	24.0	18.0	27.5	0.8	31.0	29.0	19.0	27.5	0.8	35.0	32.0	22.0	32.5	0.8	40.0	24.0	14.0	37.5	0.8	40.0	24.0	14.0	37.5	0.8						
684 0.68	31.0	27.0	20.0	27.5	0.8	35.0	32.0	22.0	32.5	0.8	40.0	34.0	24.0	37.5	0.8																
105 1.00	31.0	30.0	22.0	27.5	0.8	40.0	34.0	24.0	37.5	0.8																					

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