

# 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露鋁箔（或金屬層），環氧樹脂含浸。

### 特點 FEATURE

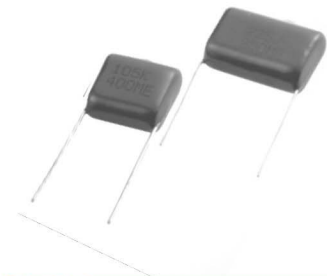
- High stability of capacitance and DF versus temperature and frequency.
- Low DF and high IR.
- Non-inductive construction.
- High pulse rise rate (du/dt) and suitable for large current circuit.

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。

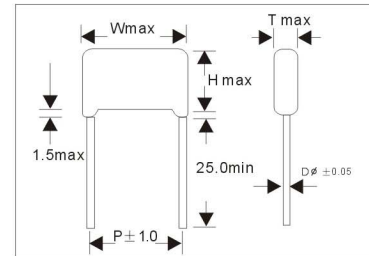
### 用途 APPLICATION

- Most suitable for high frequency large current circuit and S-shaping correction in TV set.
- Widely 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℃~+85℃ (From 85℃ up to 105℃ with derating voltage 1.25% /℃ 85℃至105℃間按1.25% /℃ 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℃, 1KHz)		
耐電壓 Voltage Proof	1.6*U <sub>R</sub> (1 minute at 20℃)		
絕緣電阻 Insulation Resistance	C≤0.10 μF IR≥30,000M Ω C>0.10 μF IR*C ≥3,000 ΩF (1 minute at 20℃ and RH ≤ 65%)		
耐久性 Endurance	1000hours with 125% of rated voltage at 85℃ after the test 85℃ 條件下，125%之額定電壓1000小時，試驗完成後 △C/C≤5% △(DF)≤0.04%; C≤0.10 μF; IR≥15000 Ω; C>0.33 μF; IR*C≥1500 ΩF (20℃ 1KHZ)		

### 尺寸 (Dimensions)

單位: Unit: mm

容量 CAPACITANCE 符號 SYMBOL	μF	250VDC					400VDC					630VDC					1000VDC					1200VDC					1600VDC												
		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	W	H	T	P	d								
471	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	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	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	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	18.0	15.0	8.0	15.0	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	0.8	18.0	17.0	10.0	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	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	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	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	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	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	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	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	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	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)