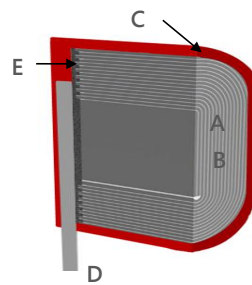


# PPN (CBB13) series 聚丙烯膜/箔式電容器 Polypropylene Film/Foil Capacitor



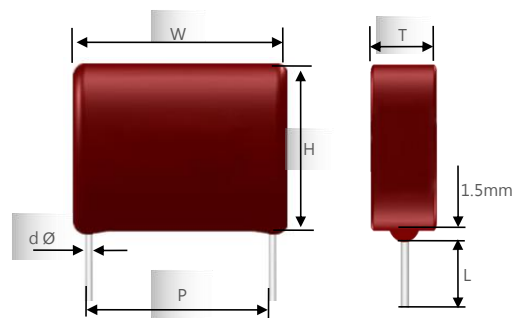
## ■結構圖 Construction



- A 介質: 聚丙烯膜  
Dielectric: Polypropylene Film
- B 電極: 金屬薄膜  
Electrodes: Metal Foil
- C 封裝: 阻燃環氧樹脂(UL94V-0)  
Epoxy Resin Coating(UL94V-0)
- D 導線: 鍍錫銅包鋼線  
Lead: Tinned Copper Clad Steel Wire
- E 噴焊層  
Spray Layers



## ■尺寸代碼 Dimensions Code



## ■特性 | Feature

膜箔式電容器，無感捲繞結構，浸漬型  
高範圍工作電壓  
優異的頻率和溫度特性  
即使在高頻下，耗損也極小  
阻燃性環氧粉末包封 (UL94 V-0)

Film/foil, non-inductive wound type, dipped  
High working voltage range  
Excellent frequency and temperature characteristics  
Very small loss even at high frequency  
Flame retardant epoxy resin powder coating (UL94 V-0)

## ■推薦應用領域 | Typical Application

廣泛用於高頻、直流和脈沖電路中  
廣泛用於電子整流器  
廣泛用於節能燈、電源、LED、汽車

Widely used in high frequency, DC and pulse circuits  
Suitable for electronic ballast  
Widely used in energy saving lamps, power source, LED, car

技術要求參照標準 Specification Reference Standard	GB/T 10188 (IEC 60384-13)
氣候類別 Climatic Category	40/105/21
工作溫度範圍 Operation Temperature Range	-40°C~105°C ( +85°C~+105°C : decreasing factor1.25% per°C for U <sub>R</sub> )
額定電壓 Rated Voltage	100 / 250 / 400 / 630 VDC
電容量範圍 Capacitance Range	0.001μF~0.1μF
電容量偏差 Capacitance Tolerance	±5%(J) 、 ±10%(K)
耐電壓 Voltage Proof	2.0U <sub>R</sub> , 5sec
絕緣電阻 Insulation Resistance	CR≤0.33μF, IR≥15000MΩ ; CR>0.33μF, IR≥5000 MΩ/CAP(μF)
損耗角正切 Dissipation Factor	0.1% Max , at 1KHz and 20°C

# PPN (CBB13) series 聚丙烯膜/箔式電容器 Polypropylene Film/Foil Capacitor



## ■外型尺寸 Dimensions (mm)

100VDC

容量μF	W	H	T	P	d	產品代碼 Part No.
0.001	9	8.5	4.5	6.5	0.6	PPN102#2A-07***+++
0.0015	9	9.5	5.5	6.5	0.6	PPN152#2A-07***+++
0.0018	9	9.5	5.5	6.5	0.6	PPN182#2A-07***+++
0.0022	9	9.5	5.5	6.5	0.6	PPN222#2A-07***+++
0.0027	9	9	5	6.5	0.6	PPN272#2A-07***+++
0.0033	9	9	5.5	6.5	0.6	PPN332#2A-07***+++
0.0039	9	9.5	5.5	6.5	0.6	PPN392#2A-07***+++
0.0047	9	9	5	6.5	0.6	PPN472#2A-07***+++
0.0056	9	9.5	5.5	6.5	0.6	PPN562#2A-07***+++
0.0068	9	10	6	6.5	0.6	PPN682#2A-07***+++
0.0075	10	9.5	6	7.5	0.6	PPN752#2A-08***+++
0.0082	10	10	6	7.5	0.6	PPN822#2A-08***+++
0.0091	10	10	6	7.5	0.6	PPN912#2A-08***+++
0.01	10	10.5	6.5	7.5	0.6	PPN103#2A-08***+++
0.012	10	11	7	7.5	0.6	PPN123#2A-08***+++
0.015	12	10.5	6.5	8.5	0.6	PPN153#2A-09***+++
0.018	12	10.5	7	8.5	0.6	PPN183#2A-09***+++
0.022	12	11	7.5	8.5	0.6	PPN223#2A-09***+++
0.027	12	12	8	8.5	0.6	PPN273#2A-09***+++
0.033	13.5	11.5	7	10	0.6	PPN333#2A-10***+++
0.039	13.5	12	7.5	10	0.6	PPN393#2A-10***+++
0.047	13.5	12.5	8	10	0.6	PPN473#2A-10***+++
0.056	13.5	13	8.5	10	0.6	PPN563#2A-10***+++
0.068	17	13	7.5	13	0.6	PPN683#2A-10***+++
0.082	17	13.5	8	13	0.6	PPN823#2A-10***+++
0.1	17	14	8.5	13	0.6	PPN104#2A-10***+++

250VDC

容量μF	W	H	T	P	d	產品代碼 Part No.
0.001	12	9.5	5.5	8.5	0.6	PPN102#2E-09***+++
0.0015	12	10	6.5	8.5	0.6	PPN152#2E-09***+++
0.0018	12	10.5	6.5	8.5	0.6	PPN182#2E-09***+++
0.0022	12	9.5	5.5	8.5	0.6	PPN222#2E-09***+++
0.0027	12	10	6	8.5	0.6	PPN272#2E-09***+++
0.0033	12	10	6	8.5	0.6	PPN332#2E-09***+++
0.0039	12	10.5	6.5	8.5	0.6	PPN392#2E-09***+++
0.0047	12	10	6	8.5	0.6	PPN472#2E-09***+++
0.0056	12	10.5	6.5	8.5	0.6	PPN562#2E-09***+++
0.0068	12	10.5	7	8.5	0.6	PPN682#2E-09***+++
0.0075	13.5	10.5	6.5	10	0.6	PPN752#2E-10***+++
0.0082	13.5	10.5	6.5	10	0.6	PPN822#2E-10***+++
0.0091	13.5	10.5	6.5	10	0.6	PPN912#2E-10***+++
0.01	13.5	11	7	10	0.6	PPN103#2E-10***+++
0.012	18	11	6	14	0.6	PPN123#2E-14***+++
0.015	18	11.5	6	14	0.6	PPN153#2E-14***+++
0.018	18	11.5	6.5	14	0.6	PPN183#2E-14***+++
0.022	18	12	7	14	0.6	PPN223#2E-14***+++
0.027	18	13.5	7	14	0.6	PPN273#2E-14***+++
0.033	18	14	7.5	14	0.6	PPN333#2E-14***+++
0.039	18	14.5	8	14	0.6	PPN393#2E-14***+++
0.047	18	15.5	8.5	14	0.6	PPN473#2E-14***+++
0.056	22.5	16	8	19	0.8	PPN563#2E-19***+++
0.068	22.5	16.5	8.5	19	0.8	PPN683#2E-19***+++
0.082	22.5	17	9.5	19	0.8	PPN823#2E-19***+++
0.1	22.5	18	10	19	0.8	PPN104#2E-19***+++

注:# 表容量偏差 ; - 表引線型式 ; \*\*\* 表引線長度及包裝方式 ; +++表內部管理碼

Note: # Capacitance tolerance code ; - Forming lead shapes ; \*\*\* Lead length and packaging ; +++ Internal use

注:本公司更改設計規格不予事先通知, 以上數據僅作選型參考, 以實際規格書為準

Note: Design, specifications are subject to change without notice, the above parameters for reference only, see the approval sheet for details.

注:可依需求製作特殊規格

Note: Special size or items on request.

# PPN (CBB13) series 聚丙烯膜/箔式電容器 Polypropylene Film/Foil Capacitor



## ■外型尺寸 Dimensions (mm)

400VDC

容量μF	W	H	T	P	d	產品代碼 Part No.
0.001	13.5	10	6	10	0.6	PPN102#2G-10***+++
0.0012	13.5	10.5	6.5	10	0.6	PPN122#2G-10***+++
0.0015	13.5	10.5	6.5	10	0.6	PPN152#2G-10***+++
0.0016	13.5	10	6	10	0.6	PPN162#2G-10***+++
0.0018	13.5	10.5	6.5	10	0.6	PPN182#2G-10***+++
0.002	13.5	9	5.5	10	0.6	PPN202#2G-10***+++
0.0022	13.5	9.5	5.5	10	0.6	PPN222#2G-10***+++
0.0024	13.5	9.5	5.5	10	0.6	PPN242#2G-10***+++
0.0027	13.5	9.5	5.5	10	0.6	PPN272#2G-10***+++
0.003	13.5	9.5	6	10	0.6	PPN302#2G-10***+++
0.0033	13.5	9.5	6	10	0.6	PPN332#2G-10***+++
0.0036	15	11	5.5	11	0.6	PPN362#2G-11***+++
0.0039	15	11	6	11	0.6	PPN392#2G-11***+++
0.0043	15	11	6	11	0.6	PPN432#2G-11***+++
0.0047	15	11.5	6	11	0.6	PPN472#2G-11***+++
0.0051	15	11.5	6.5	11	0.6	PPN512#2G-11***+++
0.0056	15	11.5	6.5	11	0.6	PPN562#2G-11***+++
0.0062	15	12	6.5	11	0.6	PPN622#2G-11***+++
0.0068	15	12	7	11	0.6	PPN682#2G-11***+++
0.0075	15	12	7	11	0.6	PPN752#2G-11***+++
0.0082	15	12.5	7	11	0.6	PPN822#2G-11***+++
0.0091	15	12.5	7.5	11	0.6	PPN912#2G-11***+++
0.01	15	13	8	11	0.6	PPN103#2G-11***+++

630VDC

容量μF	W	H	T	P	d	產品代碼 Part No.
0.001	15	10	6	11	0.6	PPN102#2J-11***+++
0.0012	15	10.5	6.5	11	0.6	PPN122#2J-11***+++
0.0015	15	10.5	6.5	11	0.6	PPN152#2J-11***+++
0.0016	15	10.5	6	11	0.6	PPN162#2J-11***+++
0.0018	15	11	6	11	0.6	PPN182#2J-11***+++
0.002	15	11	6.5	11	0.6	PPN202#2J-11***+++
0.0022	15	11	6.5	11	0.6	PPN222#2J-11***+++
0.0024	15	11.5	6.5	11	0.6	PPN242#2J-11***+++
0.0027	15	11.5	7	11	0.6	PPN272#2J-11***+++
0.003	15	11.5	7	11	0.6	PPN302#2J-11***+++
0.0033	15	12	7	11	0.6	PPN332#2J-11***+++
0.0036	15	12	7.5	11	0.6	PPN362#2J-11***+++
0.0039	15	12.5	7.5	11	0.6	PPN392#2J-11***+++
0.0043	15	12.5	8	11	0.6	PPN432#2J-11***+++
0.0047	15	13	8	11	0.6	PPN472#2J-11***+++
0.0051	18	11.5	6.5	14	0.6	PPN512#2J-14***+++
0.0056	18	12	6.5	14	0.6	PPN562#2J-14***+++
0.0062	18	12	7	14	0.6	PPN622#2J-14***+++
0.0068	18	12.5	7	14	0.6	PPN682#2J-14***+++
0.0075	18	12.5	7.5	14	0.6	PPN752#2J-14***+++
0.0082	18	13	7.5	14	0.6	PPN822#2J-14***+++
0.0091	18	14	7.5	14	0.6	PPN912#2J-14***+++
0.01	18	14.5	7.5	14	0.6	PPN103#2J-14***+++

注:# 表容量偏差；- 表引線型式；\*\*\* 表引線長度及包裝方式；+++ 表內部管理碼

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