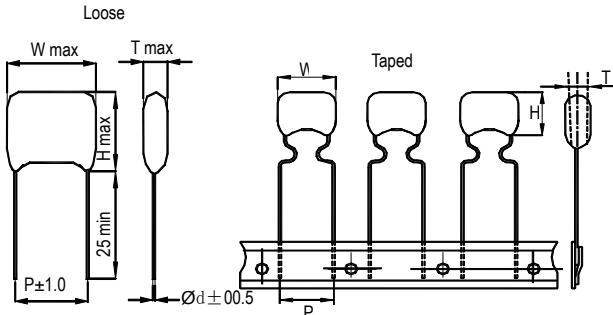


POLYPROPYLENE FILM CAPACITOR

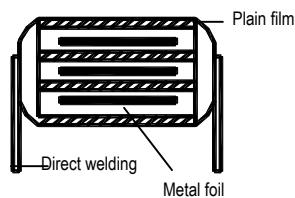
PPN

Radial dipped

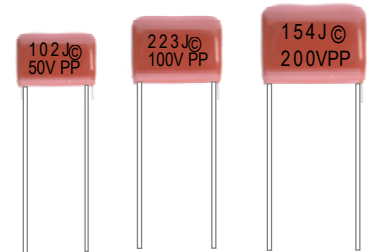
Outline Drawing



Construction



Appearance



PPN are constructed with polypropylene film dielectric aluminum foil electrode, copper lead and epoxy resin in non-inductive type. They are suitable for blocking, by-pass coupling, and temperature compensation and ideal for use in telecommunication equipments, data processing equipments, industrial instruments, automatic control system and other general electronic equipments.

FEATURES:

- ◆ Excellent frequency and temperature characteristics
- ◆ Very small loss even at high frequency
- ◆ High insulation resistance and excellent moisture resistance because of wax impregnation
- ◆ Most suitable for high frequency, large current circuit and

- ◆ S-correction circuit in monitor and TV sets
- ◆ Non-inductive construction

SPECIFICATION:

1. OPERATING TEMPERATURE: -40°C~85°C
2. CAPACITANCE RANGE: 0.001μF~0.47μF
3. CAPACITANCE TOLERANCE: ±5%(J), ±10%(K), ±20%(M)
4. RATED VOLTAGE(RV): 50VDC, 100VDC, 250VDC, 400VDC, 630VDC
5. DISSIPATION FACTOR: 0.1% MAX AT 1KHZ, 25°C
6. INSULATION RESISTANCE(IR): >3000MΩ (C ≤ 0.1μF)
>3000 MΩ·μF (C > 0.1μF)

PERFORMANCE:

Test Characteristics	Test Methods JIS C 5102	Performance
Withstand voltage: Between terminals	Apply 2.0 times of rated voltage for 60 sec. charge discharge current must be 1A max	Shall be no abnormality
Withstand voltage: Between terminals & enclosure	Apply 2.0 times of rated voltage for 1 to 5 sec	Shall be no abnormality
Insulation resistance: Between terminals	Apply rated voltage ±15% for 60 sec. when rated voltage under 100V. Apply 100V ±15% when rated voltage from 100V to 500V at 20°C	≤0.1μF ≥ 20,000MΩ
Insulation resistance: Between terminals & enclosure		>0.1μF ≥ 20,000MΩ·μF
Heat proof: Insulation resistance at 85°C	Testing temperature: 85±2°C.	≥ 4500MΩ
Heat proof: Rate of variation of capacitance at 85°C		0% Within -5% of the value before test
Humidity test: Appearance	Temperature: 40±2°C; Humidity: 90-95% RH +24 Testing time: 500 - 0 Hrs. Apply voltage: rated voltage. After testing, leave it for about 16 Hrs. at standard condition Withstand voltage is 175% rated voltage, 60 sec.	Shall be no abnormality
Humidity test: Withstand voltage		Shall be no abnormality
Humidity test: Insulation resistance		≥ 15000MΩ
Humidity test: Rate of variation capacitance		Within ±5% of the value before test
Humidity test: Dissipation factor		0.0015 (0.15%) Max.
Reference Standard	GB 10188 (IEC 60384-13) / JIS C 5102	



POLYPROPYLENE FILMPACITOR

PPN

Radial dipped

■ DIMENSIONS:

50/100VDC								250VDC							
Part No.	Cap. (μF)	Dimensions(mm)					dv/dt V/μs	Part No.	Cap. (μF)	Dimensions(mm)					dv/dt V/μs
		W	H	T	P	φ				W	H	T	P	φ	
PPN102□2AA1-7□□□□□	0.0010	10.5	9.5	5.0	7.5	0.6	3400	PPN102□2EA0-7□□□□□	0.0010	10.5	9.5	5.0	7.5	0.6	7000
PPN152□2AA1-7□□□□□	0.0015	10.5	9.5	5.5	7.5	0.6	3400	PPN152□2EA0-7□□□□□	0.0015	10.5	9.5	5.5	7.5	0.6	7000
PPN182□2AA1-7□□□□□	0.0018	10.5	9.5	5.5	7.5	0.6	3400	PPN182□2EA0-7□□□□□	0.0018	10.5	9.5	5.5	7.5	0.6	7000
PPN222□2AA1-7□□□□□	0.0022	10.5	9.5	5.5	7.5	0.6	3400	PPN222□2EA0-7□□□□□	0.0022	10.5	9.5	5.5	7.5	0.6	7000
PPN332□2AA1-7□□□□□	0.0033	10.5	9.5	5.5	7.5	0.6	3400	PPN332□2EA0-7□□□□□	0.0033	10.5	9.5	5.5	7.5	0.6	7000
PPN392□2AA1-7□□□□□	0.0039	10.5	9.5	5.5	7.5	0.6	3400	PPN392□2EA0-7□□□□□	0.0039	10.5	9.5	5.5	7.5	0.6	7000
PPN472□2AA1-7□□□□□	0.0047	10.5	9.5	5.5	7.5	0.6	3400	PPN472□2EA0-7□□□□□	0.0047	10.5	9.5	5.5	7.5	0.6	7000
PPN562□2AA1-7□□□□□	0.0056	10.5	9.5	5.5	7.5	0.6	3400	PPN562□2EA0-7□□□□□	0.0056	10.5	9.5	5.5	7.5	0.6	7000
PPN682□2AA1-7□□□□□	0.0068	10.5	9.5	5.5	7.5	0.6	3400	PPN682□2EA0-7□□□□□	0.0068	10.5	9.5	5.5	7.5	0.6	7000
PPN103□2AA1-7□□□□□	0.010	10.5	10.0	6.5	7.5	0.6	3400	PPN103□2EA0-7□□□□□	0.010	10.5	10.0	6.5	7.5	0.6	7000
PPN153□2AA4A0□□□□□	0.015	14.0	10.0	6.5	10.0	0.6	1600	PPN153□2EA4A0□□□□□	0.015	14.0	10.0	6.5	10.0	0.6	3300
PPN223□2AA4A0□□□□□	0.022	14.0	10.0	6.5	10.0	0.6	1600	PPN223□2EA4A0□□□□□	0.022	14.0	12.0	7.0	10.0	0.6	3300
PPN333□2AA9A5□□□□□	0.033	19.0	11.5	6.5	15.0	0.6	800	PPN333□2EA9A5□□□□□	0.033	19.0	11.5	6.5	15.0	0.6	1600
PPN473□2AA9A5□□□□□	0.047	19.0	11.5	6.5	15.0	0.6	800	PPN473□2EA9A5□□□□□	0.047	19.0	13.0	7.5	15.0	0.6	1600
PPN563□2AA9A5□□□□□	0.056	19.0	11.5	6.5	15.0	0.6	800	PPN563□2EA9A5□□□□□	0.056	19.0	13.0	7.5	15.0	0.6	1600
PPN683□2AA9A5□□□□□	0.068	19.0	12.0	6.5	15.0	0.6	800	PPN683□2EA9A5□□□□□	0.068	19.0	14.0	9.0	21.0	0.6	1000
PPN104□2AA9A5□□□□□	0.10	19.0	15.0	8.5	15.0	0.8	800	PPN104□2EB6B1□□□□□	0.10	26.0	14.5	7.0	21.0	0.6	1000
PPN154□2AB6B2□□□□□	0.15	26.0	15.0	8.0	22.5	0.8	500	PPN154□2EB6B1□□□□□	0.15	26.0	16.0	9.0	21.0	0.6	1000
PPN154□2AB6B2□□□□□	0.18	26.0	15.0	8.0	22.5	0.8	500	PPN184□2EB6B1□□□□□	0.18	26.0	16.0	9.0	21.0	0.6	1000
PPN224□2AB6B2□□□□□	0.22	26.0	17.5	10.0	22.5	0.8	500	PPN224□2EC2B7□□□□□	0.22	32.0	18.0	11.0	27.5	0.6	800
PPN274□2AB6B2□□□□□	0.27	26.0	17.5	10.0	22.5	0.8	500	PPN274□2EC2B7□□□□□	0.27	32.0	18.0	11.0	27.5	0.6	800
PPN334□2AB6B2□□□□□	0.33	26.0	17.5	10.0	22.5	0.8	500	PPN334□2EC2B7□□□□□	0.33	32.0	20.5	13.5	27.5	0.6	800
PPN394□2AB6B2□□□□□	0.39	26.0	17.5	10.0	22.5	0.8	500	PPN394□2EC2B7□□□□□	0.39	32.0	20.5	13.5	27.5	0.6	800
PPN474□2AC2B7□□□□□	0.47	32.0	20.0	12.0	27.5	0.8	300	PPN474□2EC2B7□□□□□	0.47	32.0	22.0	13.5	27.5	0.6	800

400VDC								630VDC							
Part No.	Cap. (μF)	Dimensions(mm)					dv/dt V/μs	Part No.	Cap. (μF)	Dimensions(mm)					dv/dt V/μs
		W	H	T	P	φ				W	H	T	P	φ	
PPN102□2EA1-7□□□□□	0.0010	11.0	10.0	6.0	7.5	0.6	8800	PPN102□2AA1-7□□□□□	0.0010	11.0	10.0	6.0	7.5	0.6	11000
PPN152□2EA1-7□□□□□	0.0015	11.0	10.0	6.0	7.5	0.6	8800	PPN152□2AA1-7□□□□□	0.0015	11.0	10.0	7.0	7.5	0.6	11000
PPN182□2EA1-7□□□□□	0.0018	11.0	10.0	6.0	7.5	0.6	8800	PPN182□2AA1-7□□□□□	0.0018	11.0	10.0	7.0	7.5	0.6	11000
PPN222□2EA1-7□□□□□	0.0022	11.0	10.0	6.0	7.5	0.6	8800	PPN222□2AA4A0□□□□□	0.0022	14.0	10.0	6.0	10.0	0.6	5500
PPN332□2EA1-7□□□□□	0.0033	11.0	10.0	6.0	7.5	0.6	8800	PPN332□2AA4A0□□□□□	0.0033	14.0	11.0	7.0	10.0	0.6	5500
PPN392□2EA4A0□□□□□	0.0039	14.0	11.0	7.0	10.0	0.6	4000	PPN392□2AA4A0□□□□□	0.0039	14.0	11.5	8.0	10.0	0.6	5500
PPN472□2EA4A0□□□□□	0.0047	14.0	11.0	7.0	10.0	0.6	4000	PPN472□2AA4A0□□□□□	0.0047	14.0	12.0	7.0	10.0	0.6	5500
PPN562□2EA4A0□□□□□	0.0056	14.0	11.0	7.0	10.0	0.6	4000	PPN562□2AB0A5□□□□□	0.0056	20.0	12.0	7.5	15.0	0.6	4300
PPN682□2EA4A0□□□□□	0.0068	14.0	11.0	7.0	10.0	0.6	4000	PPN682□2AB0A5□□□□□	0.0068	20.0	13.0	8.0	15.0	0.6	4300
PPN103□2EA4A0□□□□□	0.010	14.0	12.0	7.5	10.0	0.6	4000	PPN103□2AB0A5□□□□□	0.010	20.0	14.0	8.0	15.0	0.6	4300
PPN153□2EB0A5□□□□□	0.015	20.0	13.0	9.0	15.0	0.6	2000	PPN153□2AB0A5□□□□□	0.015	20.0	15.0	9.0	15.0	0.6	4300
PPN223□2EB0A5□□□□□	0.022	20.0	13.0	9.0	15.0	0.6	2000	PPN223□2AB0A5□□□□□	0.022	20.0	17.0	10.0	15.0	0.6	4300
PPN333□2EB0A5□□□□□	0.033	26.0	17.0	10.0	21.0	0.8	2600	PPN333□2AB6B1□□□□□	0.033	26.0	17.0	10.0	21.0	0.8	2600
PPN473□2EB6B1□□□□□	0.047	26.0	16.0	8.0	21.0	0.8	1500	PPN473□2AB6B1□□□□□	0.047	26.0	19.0	12.0	21.0	0.8	2600
PPN563□2EB6B1□□□□□	0.056	26.0	17.0	9.0	21.0	0.8	1500	PPN563□2AB6B1□□□□□	0.056	26.0	20.0	13.0	21.0	0.8	2600
PPN683□2EB6B1□□□□□	0.068	26.0	18.0	10.0	21.0	0.8	1500	PPN683□2AB6B1□□□□□	0.068	26.0	22.0	14.0	21.0	0.8	2600
PPN104□2EB6B1□□□□□	0.10	32.0	23.0	12.0	27.5	0.8	1000	PPN104□2AC2B7□□□□□	0.10	32.0	22.0	13.0	27.5	0.8	1600
PPN154□2EC2B7□□□□□	0.15	32.0	23.0	12.0	27.5	0.8	1000								
PPN184□2EC2B7□□□□□	0.18	32.0	23.0	12.0	27.5	0.8	1000								

