Non-Polarised Radial Capacitors

Features:

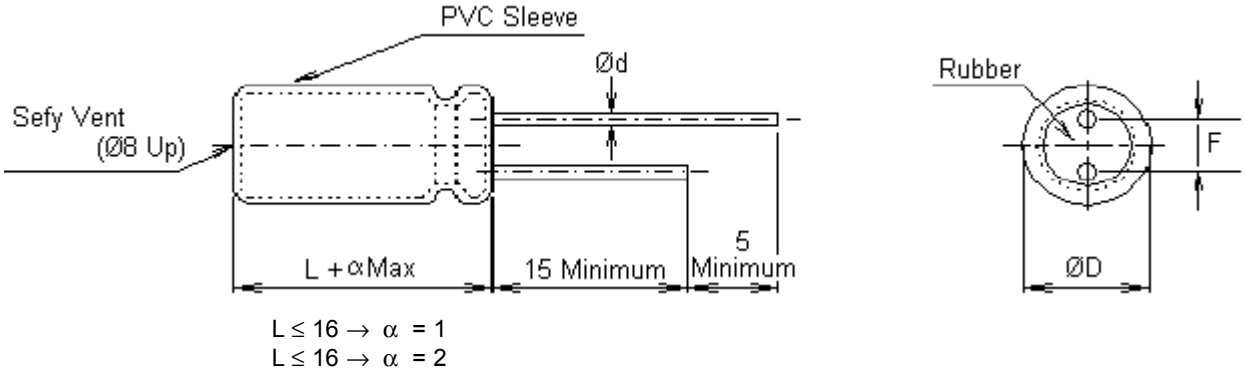
- NP series capacitors are suitable for crossover network for HI-FI equipments and speakers, etc.
- Have excellent frequency characteristic and small deviation of capacitance.

Specifications

No.	Item	Performance
1	Operating Temperature Range	-40 to +85ºC
2	Rated Working Voltage Range	10 - 250 V dc
3	Nominal Capacitance Range	0.47 – 2,200 µF
4	Capacitance Tolerance	±20% (at +20ºC,120 Hz)
5	Leakage Current	I ≤ 0.03 CV or 3 (µA) after five minutes
6	Dissipation Factor (tan δ) (120 Hz \ +20°C)	Working Voltage (V) | 100 tan δ Maximum | 0.12
7	Characteristics at Low Temperature (Stability at 120 Hz)	Working Voltage (V) | 100 -25ºC / +20ºC | 2 -40ºC / +20ºC | 3
8	High Temperature Loading	After 2,000 hours application of DC rated working voltage at +85ºC. The capacitor shall meet the following limits: Post test requirements at +20ºC. Leakage Current | ≤ the Initial specified value Capacitance Change | ≤ ± 20% of initial measured value Dissipation Factor (tan δ) | ≤ 150% of initial specified value
9	Shelf Life	After storage for 500 hours at +105ºC with no voltage applied. Post test requirements at +20ºC Same limits as high temperature loading.

Non-Polarised Radial Capacitors

Dimensions



L ≤ 16 → α = 1
L ≤ 16 → α = 2

ØD (+ 0.5 Maximum)	5	6.3	8	10	13	16
F (±0.5)	2	2.5	3.5	5	5	7.5
Ød (±0.02)	0.5	0.5	0.6	0.6	0.6	0.8

Dimensions : Millimetres

Case Size Table

ØD × L (mm)

W V / (SV) µF	100 (125)
10	8 x 11.5

Permissible Ripple Current (Maximum ripple current : mA (rms) (at 85°C, 120 Hz)

µF / W V (SV)	100 (125)
10	70

Part Number Table

Description	Part Number
Capacitor, N/P, 10 µF, 100 V	NP100V106M8X11.5

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