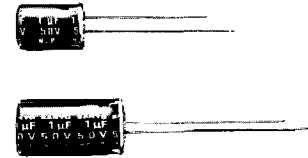


## Bi-Polar for crossover networks

# NPP, NPS Series

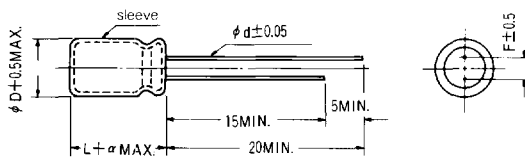
These series are ideal for dividing high, middle, and low frequency networks in hi-fi speaker systems. Frequency characteristics have been improved to transmit signals with less distortion. The NPS Series is specially designed for low loss to withstand currents with large pulses.



### Specifications

Items	Specifications	
	NPP	NPS
Series	NPP	NPS
Rated voltage (V)	50	50
Operating temperature range (°C)	-40 ~ +85	
Capacitance tolerance (120Hz) (%)	±20	±10
Tangent of loss angle (tan δ) (Max.) (120Hz)	0.10	0.05
Leakage current (L.C.) (μA/after 1 min.) (Max.)	0.03CV+6	
High-temperature load 500hrs.(×2) (alternately) 85°C, rated voltage	ΔC/c	Within ±20% of the initial value
	tan δ	≦ Twice the initial standard
	L.C.	≦ The initial IEC standard
Other characteristics	Conform to IEC 384-4	

### Dimensions



A safety vent is attached to products  
 $\alpha: D \leq 8 \quad \alpha = 1.0 \quad D \geq 10 \quad \alpha = 1.5$

(unit:mm)

φ D	8	10	12.5	16	18
F	3.5	5.0	5.0	7.5	7.5
φ d	$\frac{0.5}{0.6}$	$\frac{0.5}{0.6}$	0.6	0.8	0.8

### Size List

#### ● NPP Series

(φ D×Lmm)

μF	V	50	
		Max. permissible current mA r.m.s.	Frequency (Hz)
1.0	8×11.5	205	20K
1.5	10×11.5	245	13K
2.2	10×11.5	320	9K
3.3	10×11.5	400	6K
4.7	10×16	480	4.2K
6.8	10×16	540	2.9K
10	12.5×20	600	2K
15	12.5×23.5	660	1.3K
22	16×25	740	900
33	16×25	800	600
47	16×30	1020	420
68	18×41	1200	290

#### ● NPS Series

(φ D×Lmm)

μF	V	50	
		Max. permissible current mA r.m.s.	Frequency (Hz)
1.0	10×16	760	20K
1.5	12.5×20	800	13K
2.2	12.5×23.5	820	9K
3.3	16×25	850	6K
4.7	16×30	890	4.2K
6.8	16×35	920	2.9K
10	18×35.5	970	2K
15	18×41	1040	1.3K

Model No.

NPP Series 50MV 1 NPP  
 └── 1 μF, nominal capacitance  
 └── 50V, rated voltage

NPS Series 50MV 1 NPS  
 └── 1 μF, nominal capacitance  
 └── 50V, rated voltage