FEATURES

- Designed for audio applications with three standard levels of dissipation factor.
- Excellent stability for temperature and frequency fluctuation.

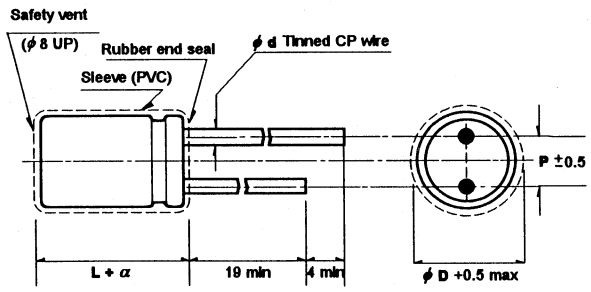
PART NUMBERING

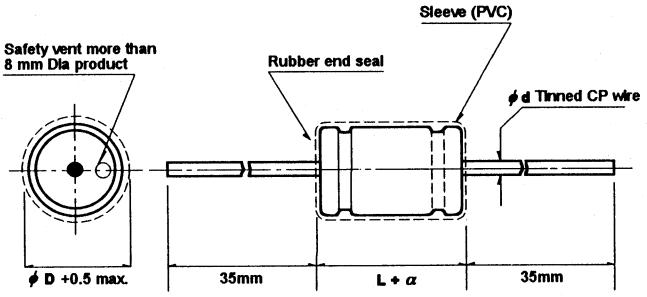
Part Number Example: RN-050/100M10X15F							
RN	-	050	/	100	M	10X15	F
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Size	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).							

SPECIFICATIONS

Performance Characteristics				
Operating Temperature Range	-40°C ~ +85°C.			
Voltage Range	50 & 100VNP.			
Capacitance Range	0.47μF ~ 600μF.			
Capacitance Tolerance (20°C, 1kHz)	±10%.			
Maximum Dissipation Factor (20°C, 1kHz)	DF Code	Blank	S	R
	DF %	10	6	4
Maximum Leakage Current* (after 5 minutes)	0.03CV + 4μA, or less.			
Applicable Standards	Characteristics of JIS C-5141.			
Load Life (105°C)	After 1000 hours' application of rated voltage, capacitors meet the characteristics requirements mentioned below.			
	Capacitance Change	Within ±20% of initial value.		
	DF	200% or less of initial specified value.		
	Leakage Current	Initial specified value or less.		
Shelf Life (105°C)	After leaving capacitors under no load for 1000 hours and applying voltage according to JIS C-5102 4-3 they meet the specified value for load life characteristics listed above.			

DIMENSIONS





RADIAL LEAD TYPE DIMENSIONS (UNIT: mm)

D	8	10	13	13	16	18	22
dØ	0.5	0.6		0.8			
P	3.5	5.0	5.0	5.0	7.5	7.5	10
α	1.0	1.5	1.5	1.5	1.5	1.5	2.0

AXIAL LEAD TYPE DIMENSIONS (UNIT: mm)

D	8	10	13	13	16	18	22
dØ	0.6			0.8			
α	1.5	1.5	2.0	2.0	2.0	2.0	2.0

CASE SIZE OF STANDARD PRODUCTS (STD TOLERANCE 10% @ 1KHZ) (DXL(mm))

Cap. (µF)	10% DF			
	WVDC (SV)			
	Radial Leads (RN)		Axial Leads (TN)	
	50 (63)	100 (125)	50 (63)	100 (125)
1.0	8 x 13	8 x 13	8 x 17	8 x 17
1.5	8 x 13	8 x 13	8 x 17	8 x 17
2.2	8 x 13	8 x 13	8 x 17	8 x 17
3.3	8 x 13	8 x 13	8 x 17	8 x 19
4.7	8 x 13	8 x 13	8 x 17	8 x 19
6.8	8 x 15	10 x 15	8 x 19	10 x 19
10	10 x 15	10 x 15	8 x 19	10 x 19
15	10 x 15	10 x 15	10 x 19	10 x 19
22	10 x 20	10 x 20	10 x 24	10 x 24
33	13 x 21	13 x 21	13 x 27	13 x 27
47	13 x 26	13 x 26	13 x 32	13 x 32
68	16 x 27	16 x 27	16 x 34	16 x 34
100	16 x 27	16 x 27	16 x 34	16 x 34
150	16 x 27	16 x 32	16 x 34	16 x 38
220	18 x 38	18 x 38	18 x 44	18 x 44
250	18 x 38	18 x 38	18 x 44	18 x 44
300	18 x 38	22 x 42	18 x 44	22 x 44

Cap. (µF)	6% DF			
	WVDC (SV)			
	Radial Leads (RN)		Axial Leads (TN)	
	50 (63)	100 (125)	50 (63)	100 (125)
1.0	10 x 15	10 x 15	10 x 19	10 x 19
1.5	10 x 15	10 x 15	10 x 19	10 x 19
2.2	10 x 15	10 x 15	10 x 19	10 x 19
3.3	10 x 15	10 x 15	10 x 19	10 x 19
4.7	10 x 15	10 x 15	10 x 19	10 x 19
6.8	10 x 20	10 x 20	10 x 24	10 x 24
10	10 x 20	10 x 20	10 x 24	10 x 24
15	13 x 21	13 x 21	13 x 27	13 x 27
22	13 x 21	13 x 26	13 x 27	13 x 32
33	13 x 26	13 x 26	13 x 32	13 x 32
47	13 x 26	13 x 26	13 x 32	13 x 32
68	16 x 27	16 x 27	16 x 34	16 x 34
100	16 x 27	16 x 38	16 x 34	16 x 42
150	16 x 38	16 x 38	16 x 42	18 x 44

Cap. (µF)	4% DF			
	WVDC (SV)			
	Radial Leads (RN)		Axial Leads (TN)	
	50 (63)	100 (125)	50 (63)	100 (125)
1.0	13 x 21	13 x 21	13 x 27	13 x 27
1.5	13 x 21	13 x 21	13 x 27	13 x 27
2.2	13 x 21	13 x 21	13 x 27	13 x 27
3.3	13 x 26	13 x 26	13 x 32	13 x 32
4.7	13 x 26	13 x 26	13 x 32	13 x 32
6.8	13 x 26	13 x 26	13 x 32	13 x 32
10	13 x 26	13 x 26	13 x 32	13 x 32
15	13 x 26	13 x 26	13 x 32	13 x 32
22	13 x 26	13 x 26	13 x 32	13 x 32
33	16 x 27	16 x 27	16 x 34	16 x 34
47	16 x 27	16 x 27	16 x 34	16 x 34
68	16 x 32	16 x 32	16 x 38	16 x 38
100	16 x 38	16 x 38	18 x 44	18 x 44

Due to the custom nature of audio components other capacitance values or sizes are available, consult Factory or Area Representative.