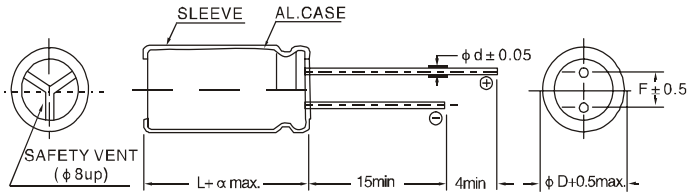
RN Standard, Height 7mm or 9mm series

- Super miniature series with height 7mm or 9mm
- Suited for use in compact audio equipment
- Load life of 1000 hours at 85℃

SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	−40~+85℃
Rated Working Voltage Range	4~63V.DC
Capacitance Tolerance	±20%(M)at 120Hz.25℃
Leakage Current (max.)	I=0.01CV or 3μA whichever is greater after 2 minutes I: Leakage Current (μA) C: Nominal Capacitance(μF) Rated Working Voltage (V)
Dissipation Factor (tan δ) (at 120Hz, 25℃) (max.)	WV: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 tan δ: 0.35 / 0.24 / 0.20 / 0.16 / 0.14 / 0.12 / 0.10 / 0.10
Low Temperature Stability (Impedance ratio at 120Hz)	WV: 4 / 6.3 / 10 / 16~25 / 35~63 Z(−25℃)/Z(+25℃): 6 / 4 / 3 / 2 / 2 Z(−40℃)/Z(+25℃): 12 / 8 / 6 / 4 / 3
Load Life	After 1000 hours application of W. V. at 85℃, the capacitor shall meet the following limits. Capacitance Change: ≤ ±20% of the initial measured value. Dissipation Factor: ≤200% of theinitial specified value. leakage current: ≤the initial specified value.
Shelf Life(85℃)	After 500 hours of no load test, leakage current, capacitance and tan δ are same as load life value.
Reference Standard	JISC – 5141

DRAWING(Unit:mm)



φD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
φd	0.45	0.5	0.5	0.5
α	1.0			1.5

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV / Cap.(μF)	4		6.3		10		16		25		35		50		63	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1													4×7	3	4×7	3
0.22													4×7	5	4×7	5
0.33													4×7	6	4×7	6
0.47													4×7	7.1	4×7	7
0.68													4×7	8	4×7	9
1.0													4×7	11	4×7	11
2.2													4×7	16	4×7	16
3.3													4×7	20	4×7	22
4.7													4×7	27	5×7	31
6.8											4×7	33	4×7	31	5×7	35
10							4×7	26	4×7	30	4×7	40	5×7	45	6.3×7	46
22					4×7	38	4×7	42	5×7	46	5×7	57	6.3×7	64		
33					4×7	44	5×7	58	5×7	64	6.3×7	69	8×7	74		
47					4×7	50	5×7	73	6.3×7	81	6.3×7	90				
68			5×7	71	5×7	78	6.3×7	93	8×7	98						
100	5×7	45	5×7	86	5×7	100	6.3×7	120	8×7	135						
220	5×7	65	6.3×7	105	6.3×7	130	8×9	135								
330	6.3×7	120	8×9	136	8×9	146										
470	8×7	150	8×9	152												

Ripple current (m A rms) at 85℃,120Hz
Case size φD×L(mm)