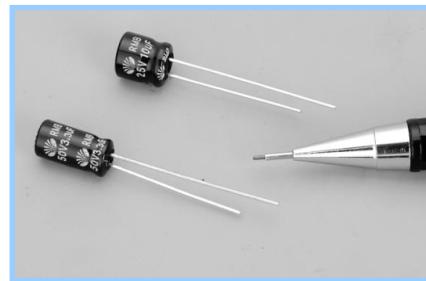


RNB SERIES

85°C, 5mm Height, Bi-Polar Radial Leads

■ Features

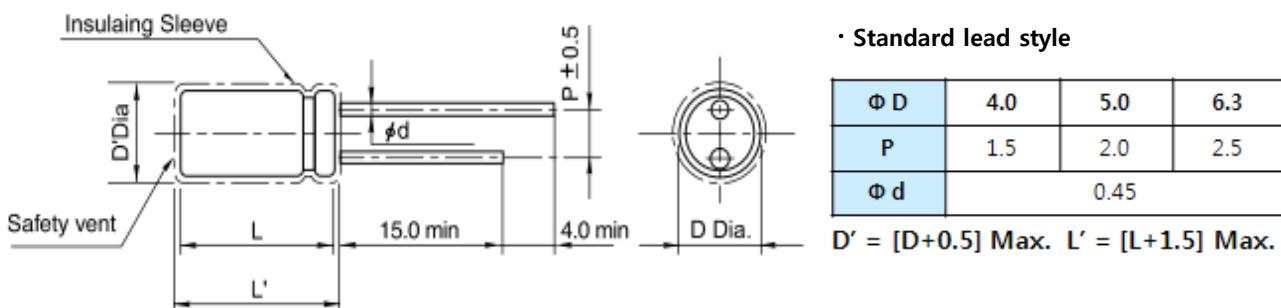
- 5mm Height, Bi-Polar, Radial
- Automatic insertion is available
- Load life of 1,000 hours at 85°C



■ Specifications

Item	Performance Characteristics						
Operating temperature range	-40°C ~ +85°C						
Rated working voltage range	6.3V ~ 50V						
Nominal capacitance range	0.1 μ F ~ 47 μ F, $\pm 20\%$ (at 20°C, 120Hz)						
D.C Leakage current(at 20°C)	The following specifications shall be satisfied when the rated voltage is applied for the required time $I \leq 0.06CV$ or $10\mu A$ (1min), whichever is greater. Where I = Leakage current(μA) C = Nominal capacitance(μF) V = Rated voltage (V)						
Tan δ (max., at 20°C, 120Hz)	W.V	6.3	10	16	25	35	50
	Tan δ	0.24	0.20	0.17	0.17	0.15	0.15
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	6	3	2	2	2	2
	Z-40°C/Z+20°C	10	8	6	4	3	3
Load life	After applying rated working voltage for 1,000 hours at +85°C and then listed being stabilized at +20°C, capacitors shall meet following limits. Capacitance change Within $\pm 25\%$ of the initial measured value Tan δ $\leq 200\%$ of the initial specified value Leakage current \leq The initial specified value						
Shelf life	After storage for 1,000hours at + 85°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet following limits. Capacitance change Within $\pm 20\%$ of the initial measured value Tan δ $\leq 200\%$ of the initial specified value Leakage current $\leq 200\%$ of the initial specified value						

■ Dimensions



RNB SERIES

Dimensions & Maximum permissible ripple current

μF	V	6.3	10	16	25	35	50
	0.10						4 x 5 1
	0.22						4 x 5 2
	0.33						4 x 5 4
	0.47						4 x 5 6
	1.0						4 x 5 8
	2.2				4 x 5 8	4 x 7 8	4 x 5 13
	3.3			4 x 5 9	4 x 5 12	5 x 7 14	4 x 5 18
	4.7		4 x 5 10	4 x 5 12	5 x 5 17	6.3 x 7 19	5 x 5 27
	10	4 x 5 20	4 x 5 23	5 x 5 26	6.3 x 5 32	6.3 x 7 35	6.3 x 5 43
	22	5 x 5 25	5 x 5 37	6.3 x 5 40	6.3 x 5 52		
	33	5 x 5 40	6.3 x 5 50	6.3 x 5 55			
	47	6.3 x 5 63	6.3 x 5 65	Case size : $\Phi\text{D} \times \text{L}(\text{mm})$ Maximum permissible ripple current[mA(rms) at 85°C, 120Hz]			