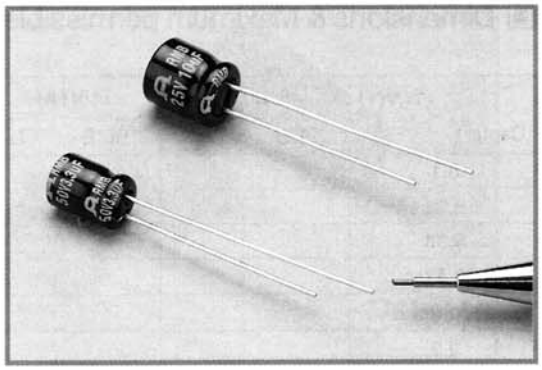
RMB SERIES

Miniature, Bi-Polar, Radial Leads

▣ Features

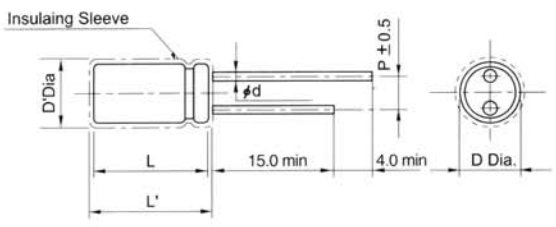
- Bi-polar, Miniature
- Lengths are all 7mm, Radial
- Micro cassette, VTR, video camera, car stereo etc.
- Load life of 1000 hours at 85˚C



▣ Specifications

Item	Performance Characteristics						
Operating temperature range	−40˚C ~ +85˚C						
Rated working voltage range	6.3V ~ 50V						
Nominal capacitance range	0.1μF ~ 47μF, ±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 ≤ 0.05CV or 10μA(2 min), 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(V)	6.3	10	16	25	35	50
	Tan δ	0.28	0.25	0.20	0.16	0.15	0.14
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	6.3	10	16	25	35	50
	Z−25˚C/Z20˚C	4	3	2	2	2	2
	Z−40˚C/Z20˚C	10	8	6	4	4	4
Load life	After applying rated working voltage for 1000 hours at +85˚C with the polarity inverted every 500 hours and then being stabilized at ±20˚C, capacitors shall meet following limits.						
	Capacitance change	Within ±20% of the initial measured value					
	Tan δ	≤ 200% of the initial specified value					
	Leakage current	≤ The initial specified value					
Shelf life	After storage for 500 hours at +85˚C with no voltage applied and then being stabilized at +20˚C, capacitors shall meet following limits.						
	Capacitance change	Within ±20% of the initial measured value					
	Tan δ	≤ 150% of the initial specified value					
	Leakage current	≤ 200% of the initial specified value					

▣ Dimensions



• Standard lead style

φD	4.0	5.0	6.3
p	1.5	2.0	2.5
φd	0.45		

D'= [D+0.5]Max. L'= [L+1.0]Max.

Bi-polar

RMB SERIES

▣ Dimensions & Maximum permissible ripple current

φD x L(mm)

W.V(V) / Cap(μF)	6.3(0J)		10(1A)		16(1C)		25(1E)		35(1V)		50(1H)	
	SIZE	I_R	SIZE	I_R	SIZE	I_R	SIZE	I_R	SIZE	I_R	SIZE	I_R
0.1											4x7	2.0
0.22											4x7	3.0
0.33											4x7	5.0
0.47											4x7	7.0
1.0											4x7	10
2.2									4x7	12	4x7	15
3.3							4x7	15	4x7	16	5x7	20
4.7					4x7	15	5x7	20	5x7	25	6.3x7	30
10			4x7	25	5x7	30	6.3x7	35	6.3x7	40		
22	5x7	30	5x7	40	6.3x7	50	6.3x7	55				
33	5x7	45	6.3x7	55	6.3x7	60						
47	6.3x7	65	6.3x7	70								

I_R: Maximum permissible ripple current[mA(rms) at 85°C,120Hz]