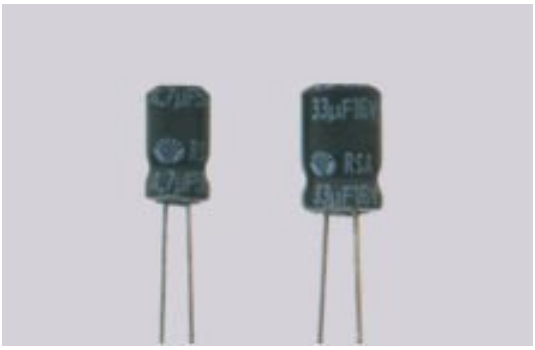
RSA SERIES

ALUMINUM ELECTROLYTIC CAPACITORS
Miniature, 7mm Height, High CV, Radial Leads

n Features

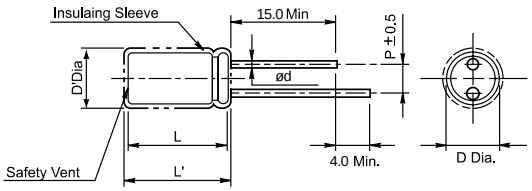
- Miniature, High CV, Radial
- Lengths are all 7mm(Smaller than RSM)
- VTR, video camera, car radio, micro cassette tape recorder etc.
- Low cost alternative to tantalum beads
- Load life of 1000 hours at 85˚C



n Specifications

Item	Performance Characteristics						
Operating temperature range	-40ßC~ +85ßC						
Rated working voltage range	6.3V ~ 50V						
Nominal capacitance range	0.1µF ~ 220µF, -20%(at 20ßC, 120Hz)						
D.C Leakage current(at 20˚C)	The following specifications shall be satisfied when the rated voltage is applied for the required time. l † 0.01CV or 3µA(2 min), whichever is greater Where l =Leakage current(µA) C=Nominal capacitance(µF) V=Rated voltage(V)						
Tanδ(max., at 20˚C, 120Hz)	W.V(V)	6.3	10	16	25	35	50
	Tanδ	0.26	0.22	0.19	0.16	0.12	0.10
Characteristics at low temperature(max.) (impedance ratio at 120Hz)	W.V(V)	6.3	10	16	25	35	50
	Z-25ßC/Z20ßC	4	3	2	2	2	2
	Z-40ßC/Z20ßC	8	6	4	4	4	4
Load life	After applying rated working voltage for 1000 hours at +85ßC and then being stabilized at +20ßC, capacitors shall meet following limits.						
	Capacitance change	Within - 25% of initial measured value					
	Tanδ	† - 200% of initial specified value					
	Leakage current	† Initial specified value					
Shelf life	After storage for 1000 hours at + 85ßC with no voltage applied and then being stabilized at +20ßC, capacitors shall meet following limits.						
	Capacitance change	Within - 20% of initial measured value					
	Tanδ	† 200% of initial specified value					
	Leakage current	† 200% of initial specified value					

n Case sizes and Dimensions



• Standard lead style

øD	4.0	5.0	6.3
P	1.5	2.0	2.5
ød	0.45		

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

n Dimensions & Maximum permissible ripple current [mA(rms) at 85˚C, 120Hz]

¿ DxL (mm)

W.V / Cap(µF)	6.3		10		16		25		35		50	
	SIZE	I_R	SIZE	I_R	SIZE	I_R	SIZE	I_R	SIZE	I_R	SIZE	I_R
0.1											4x7	1
0.22											4x7	2
0.33											4x7	3
0.47											4x7	5
1.0											4x7	10
2.2											4x7	16
3.3											4x7	18
4.7									4x7	2	4x7	25
6.8									4x7	1	5x7	28
10							4x7	28	4x7	2	5x7	35
22			4x7	35	4x7	40	5x7	50	5x7	5	6.3x7	58
33	4x7	40	4x7	44	5x7	55	5x7	63	6.3x	3		
47	4x7	48	5x7	60	5x7	65	6.3x7	78	7	1		
100	5x7	78	6.3x7	87	6.3x	98						
220	6.3x	11			7							