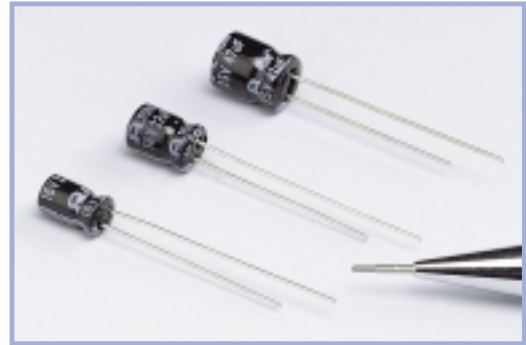


## RSM SERIES

7mm Height Standard, Radial Leads

### Features

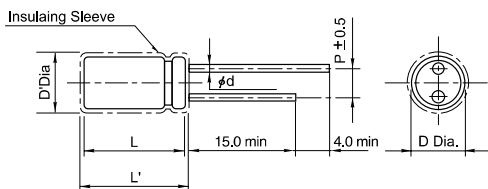
- Lengths are all 7mm
- VTR, video camera, car radio, micro cassette tape recorder etc.
- Load life of 2000 hours at 85°C



### Specifications

Item	Performance Characteristics							
<b>Operating temperature range</b>	- 40°C ~ +85°C							
<b>Rated working voltage range</b>	6.3V ~ 50V							
<b>Nominal capacitance range</b>	0.1μF ~ 220μF, ±20% (at 20°C, 120Hz)							
<b>D.C Leakage current(at 20°C)</b>	The following specifications shall be satisfied when the rated voltage is applied for the required time. $I \leq 0.01CV$ or $3\mu A$ (2 min), whichever is greater Where I =Leakage current(μA) C=Nominal capacitance(μF) V=Rated voltage(V)							
<b>Tan δ (max., at 20°C, 120Hz)</b>	W.V(V)	6.3	10	16	25	35	50	
	Tan δ	0.24	0.20	0.17	0.15	0.12	0.10	
<b>Characteristics at low temperature(max.) (impedance ratio at 120Hz)</b>	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	8	6	4	4	4	4	
<b>Load life</b>	After applying rated working voltage for 2000 hours at +85°C and then being stabilized at +20°C, capacitors shall meet following limits.							
	Capacitance change	Within ± 25% of the initial measured value						
	Tan δ	≤ 200% of initial specified value						
	Leakage current	≤ The initial specified value						
<b>Shelf life</b>	After storage for 1000 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

D	4.0	5.0	6.3
P	1.5	2.0	2.5
d	0.45		

$D' = [D + 0.5] \text{Max.}$

$L' = [L + 1.0] \text{Max.}$

### Dimensions & Maximum permissible ripple current

W.V(V)	D x L(mm)											
	6.3(0J)		10(1A)		16(1C)		25(1E)		35(1V)		50(1H)	
Cap(μF)	SIZE	I <sub>R</sub>	SIZE	I <sub>R</sub>	SIZE	I <sub>R</sub>	SIZE	I <sub>R</sub>	SIZE	I <sub>R</sub>	SIZE	I <sub>R</sub>
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	21	4x7	25
6.8								4x7	25	5x7	28	
10							4x7	28	4x7	31	5x7	35
22			4x7	35	4x7	40	5x7	50	5x7	55	6.3x7	58
33	4x7	40	4x7	44	5x7	55	5x7	63	6.3x7	66		
47	4x7	48	5x7	60	5x7	65	6.3x7	78				
100	5x7	78	6.3x7	87	6.3x7	98						
220	6.3x7	110										

I<sub>R</sub> : Maximum permissible ripple current [mA(rms) at 85°C, 120Hz]