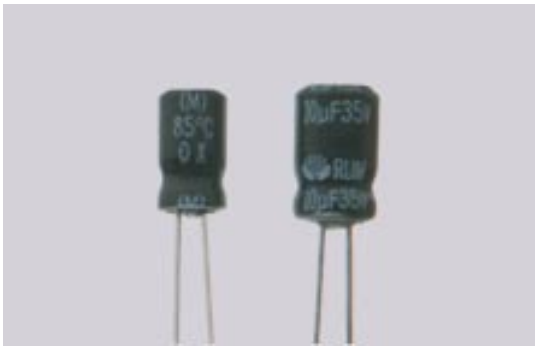
DAE/28-34^ •´ 2001.1.295:28 PM ˜ ` 32

# RUM SERIES

## ALUMINUM ELECTROLYTIC CAPACITORS
7mm Height, 105˚C Standard, Radial Leads

### n Features

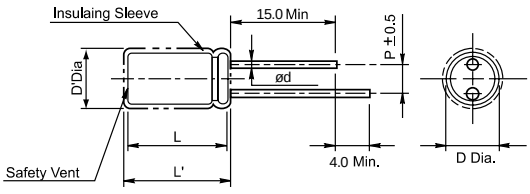
- Lengths are all 7mm Radial
- Wide temperature range
- Miniature, high reliability
- Car radio, VTR, video camera etc.
- Load life of 1000 hours at 105˚C



### n Specifications

| Item | Performance Characteristics | | | | | | |
|---|---|---|---|---|---|---|---|
| Operating temperature range | -55ßC ~ +105ßC | | | | | | |
| Rated working voltage range | 6.3V ~ 50V | | | | | | |
| Nominal capacitance range | 0.1µF ~ 100µF, -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.<br>l † 0.01CV or 3µA (2 min), whichever is greater<br>Where l =Leakage current(µA) C=Nominal capacitance(µF) V=Rated voltage(V) | | | | | | |
| Tan$\delta$ (max., at 20˚C, 120Hz) | W.V(V) | 6.3 | 10 | 16 | 25 | 35 | 50 |
| | Tan$\delta$ | 0.24 | 0.20 | 0.17 | 0.15 | 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 | 3 | 3 |
| Load life | After applying rated working voltage for 1000 hours at +105ßC and then being stabilized at +20ßC, capacitors shall meet following limits. | | | | | | |
| | Capacitance change | Within - 25% of initial measured value(6.3V~16V) | | | | | |
| | $\delta$ | Within - 20% of initial measured value(25V~) | | | | | |
| | Tan | † 200% of initial specified value | | | | | |
| | Leakage current | † Initial specified value | | | | | |
| Shelf life | After storage for 1000 hours at +105ßC with no voltage applied and then being stabilized at +20ßC, capacitors shall meet following limits. | | | | | | |
| | Capacitance change | Within - 25% of initial measured value(6.3V~16V) | | | | | |
| | | Within - 20% of initial measured value(25V) | | | | | |

### 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 105˚C, 120Hz]

¿D x L(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 | 2 |
| 0.22 | | | | | | | | | | | 4x7 | 3 |
| 0.33 | | | | | | | | | | | 4x7 | 5 |
| 0.47 | | | | | | | | | | | 4x7 | 6. |
| 1.0 | | | | | | | | | | | 4x7 | 5 |
| 2.2 | | | | | | | | | | | 4x7 | 1 |
| 3.3 | | | | | | | | | | | 4x7 | 0 |
| 4.7 | | | | | | | 4x7 | 2 | 4x7 | 2 | 5x7 | 2 |
| 6.8 | | | | | 4x7 | 25 | 4x7 | 0 | 5x7 | 5 | 6.3x | 0 |
| 10 | | | | | 4x7 | 35 | 5x7 | 3 | 5x7 | 3 | 7 | 2 |
| 22 | 4x7 | 35 | 5x7 | 4 | 5x7 | 45 | 6.3x7 | 0 | 6.3x | 5 | 6.3x | 5 |
| 33 | 5x7 | 45 | 5x7 | 0 | 6.3x7 | 65 | 6.3x7 | 4 | 7 | 4 | 7 | 3 |
| 47 | 5x7 | 60 | 6.3x7 | 5 | 6.3x7 | 80 | | 0 | | 5 | | 0 |
| 100 | 6.3x | 90 | | 0 | | | | 5 | | | | |