

RADIAL TYPE

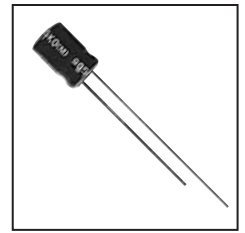
SS

Series

7mmL 85°C, Standard

JAMICON®

- For general purposes series with 7mm height

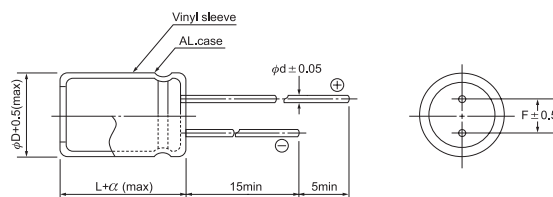


● SPECIFICATION

| Item | Characteristic | | | | | | | | | |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|------|-------|-------|--|
| Operation Temperature Range | -40 ~ +85°C | | | | | | | | | |
| Rated Working Voltage | 4 ~ 63VDC | | | | | | | | | |
| Capacitance Tolerance (120Hz 20°C) | ±20%(M) | | | | | | | | | |
| Leakage Current (20°C) | $I \leq 0.01CV$ or $3 (\mu A)$ | | | | | | | | | |
| | *Whichever is greater after 2 minutes | | | | | | | | | |
| | | I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V) | | | | | | | | |
| Surge Voltage (20°C) | W.V. | 4 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | |
| | S.V. | 5 | 8 | 13 | 20 | 32 | 44 | 63 | 79 | |
| Dissipation Factor (tan δ) (120Hz 20°C) | W.V. | 4 | 6.3 | 10 | 16 | 25 | 35 | 50 | 50~63 | |
| | tan δ | 0.35 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.10 | |
| Low Temperature Stability | Impedance ratio at 120Hz | | | | | | | | | |
| | Rated Voltage (V) | 4 | 6.3 | 10 | 16 | 25 | 35 | 50~63 | | |
| | -25°C / +20°C | 6 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | |
| | -40°C / +20°C | 12 | 8 | 6 | 4 | 4 | 3 | 3 | | |
| Load Life | After 1000 hours application of W.V. and +85°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage) | | | | | | | | | |
| | Capacitance Change | $\leq \pm 20\%$ of initial value | | | | | | | | |
| | Dissipation Factor | $\leq 200\%$ of initial specified value | | | | | | | | |
| | Leakage current | \leq initial specified value | | | | | | | | |
| Shelf Life | At +85°C no voltage application after 1000 hours the capacitor shall meet the limits for load life characteristics. (with voltage treatment) | | | | | | | | | |

● DIMENSIONS (mm)

| ϕD | 4 | 5 | 6.3 | 8 |
|----------|------|------|------|------|
| F | 1.5 | 2.0 | 2.5 | 3.5 |
| d | 0.45 | 0.45 | 0.45 | 0.50 |
| α | 1.0 | 1.0 | 1.0 | 1.0 |



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 85°C 120Hz

| μF | V(Code) Code | Item | 4 (0G) | | 6.3 (0J) | | 10 (1A) | | 16 (1C) | | 25 (1E) | | 35 (1V) | | 50 (1H) | | 63 (1J) | |
|---------|-----------------|-------|--------|-------|----------|-------|---------|-------|---------|-------|---------|------|---------|------|---------|-------|---------|------|
| | | | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. |
| 0.1 | 0R1 | | | | | | | | | | | | | | | | | |
| 0.22 | R22 | | | | | | | | | | | | | → | 4x7 | 4 | 4x7 | 4 |
| 0.33 | R33 | | | | | | | | | | | | | → | 4x7 | 6 | 4x7 | 6 |
| 0.47 | R47 | | | | | | | | | | | | | → | 4x7 | 7 | 4x7 | 7 |
| 1.0 | 010 | | | | | | | | | | | | | → | 4x7 | 8 | 4x7 | 8 |
| 2.2 | 2R2 | | | | | | | | | | | | | → | 4x7 | 12 | 4x7 | 12 |
| 3.3 | 3R3 | | | | | | | | | | | | | → | 4x7 | 18 | 4x7 | 18 |
| 4.7 | 4R7 | | | | | | | | | | | | | → | 4x7 | 22 | 5x7 | 25 |
| 10 | 100 | | | | | | | | → | 4x7 | 22 | 4x7 | 24 | 4x7 | 26 | 6.3x7 | 34 | |
| 22 | 220 | | | | | | | | | → | 4x7 | 30 | 4x7 | 32 | 5x7 | 39 | 6.3x7 | 49 |
| 33 | 330 | 4x7 | 37 | 4x7 | 44 | 4x7 | 49 | 5x7 | 60 | 6.3x7 | 75 | 8x7 | 95 | 8x7 | 100 | | | |
| 47 | 470 | 4x7 | 44 | 5x7 | 60 | 5x7 | 65 | 5x7 | 75 | 8x7 | 100 | 8x7 | 110 | | | | | |
| 100 | 101 | 5x7 | 70 | 6.3x7 | 100 | 6.3x7 | 110 | 6.3x7 | 120 | 8x7 | 150 | | | | | | | |
| 220 | 221 | 6.3x7 | 120 | 8x7 | 170 | 8x7 | 190 | 8x7 | 210 | | | | | | | | | |
| 330 | 331 | 8x7 | 170 | 8x7 | 210 | | | | | | | | | | | | | |

All blank voltage on sleeve marking is the same voltage as" → "point to.