

RADIAL TYPE

NS

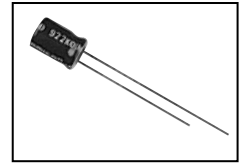
Series

7mmL 85°C, Non Polarity

SL ← → SV

JAMICON®

- Non polarity series with 7mm height.

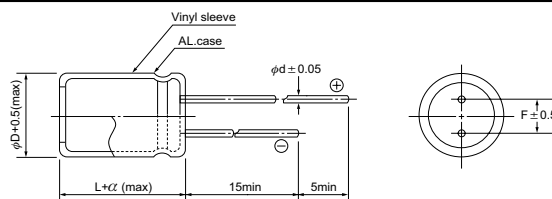


● SPECIFICATION

| Item | Characteristic | | | | | | | |
|--|---|-----------------------------------|------|------|---|------|------|--|
| Operation Temperature Range | -40 ~ +85°C | | | | | | | |
| Rated Working Voltage | 6.3 ~ 50VDC | | | | | | | |
| Capacitance Tolerance (120Hz 20°C) | ±20%(M) | | | | | | | |
| Leakage Current (20°C) | I ≤ 0.05CV or 10 (μA) *Whichever is greater after 2 minutes | | | | I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V) | | | |
| Surge Voltage (20°C) | W.V. | 6.3 | 10 | 16 | 25 | 35 | 50 | |
| | S.V. | 8 | 13 | 20 | 32 | 44 | 63 | |
| Dissipation Factor (tan δ) (120Hz 20°C) | W.V. | 6.3 | 10 | 16 | 25 | 35 | 50 | |
| | tan δ | 0.24 | 0.20 | 0.17 | 0.15 | 0.12 | 0.12 | |
| Low Temperature Stability | Impedance ratio at 120Hz | | | | | | | |
| | Rated Voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | |
| | -25°C / +20°C | 4 | 3 | 2 | 2 | 2 | 2 | |
| | -40°C / +20°C | 10 | 8 | 6 | 4 | 3 | 3 | |
| Load Life | After 1000 hours application of W.V. at +85°C, the capacitor shall meet the following limits. (The polarity needs to exchange every 250 hours) | | | | | | | |
| | Capacitance Change | ≤ ±20% of initial value | | | | | | |
| | Dissipation Factor | ≤ 150% of initial specified value | | | | | | |
| | Leakage current | ≤ initial specified value | | | | | | |
| Shelf Life | At +85°C no voltage application after 500 hours the capacitor shall meet the following limits. (with voltage treatment) | | | | | | | |
| | Capacitance Change | ≤ ±20% of initial value | | | | | | |
| | Dissipation Factor | ≤ 200% of initial specified value | | | | | | |
| | Leakage current | ≤ 200% of initial specified value | | | | | | |

● DIMENSIONS (mm)

| φD | 4 | 5 | 6.3 | 8 |
|----|------|------|------|-----|
| F | 1.5 | 2.0 | 2.5 | 3.5 |
| d | 0.45 | 0.45 | 0.45 | 0.5 |
| 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 | 6.3 (0J) | | 10 (1A) | | 16 (1C) | | 25 (1E) | | 35 (1V) | | 50 (1H) | |
|------|-------------------------|----------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. | DxL | R.C. |
| 0.1 | 0R1 | | | | | | | | | → | 4x7 | 3 | |
| 0.22 | R22 | | | | | | | | | → | 4x7 | 4 | |
| 0.33 | R33 | | | | | | | | | → | 4x7 | 5 | |
| 0.47 | R47 | | | | | | | | | → | 4x7 | 6 | |
| 1.0 | 010 | | | | | | | | | → | 4x7 | 9 | |
| 2.2 | 2R2 | | | | | | | → | 4x7 | 14 | 5x7 | 16 | |
| 3.3 | 3R3 | | | | | | → | 4x7 | 15 | 5x7 | 19 | 5x7 | 19 |
| 4.7 | 4R7 | | | | → | 4x7 | 17 | 5x7 | 20 | 5x7 | 23 | 6.3x7 | 26 |
| 10 | 100 | | → | 4x7 | 23 | 5x7 | 28 | 6.3x7 | 34 | 6.3x7 | 38 | 8x7 | 44 |
| 22 | 220 | 5x7 | 35 | 5x7 | 38 | 6.3x7 | 47 | 6.3x7 | 50 | 8x7 | 65 | 8x7 | 65 |
| 33 | 330 | 5x7 | 43 | 6.3x7 | 55 | 6.3x7 | 60 | 8x7 | 70 | 8x7 | 80 | | |
| 47 | 470 | 6.3x7 | 60 | 6.3x7 | 65 | 6.3x7 | 70 | 8x7 | 85 | | | | |
| 100 | 101 | 8x7 | 100 | 8x7 | 110 | 8x7 | 120 | | | | | | |

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