

- Super Miniature and Low leakage current
- Designed for use in VCRs, car radios, Car stereos.
- Micro-cassette tape recorders, pocket calculators and watches.

Characteristics

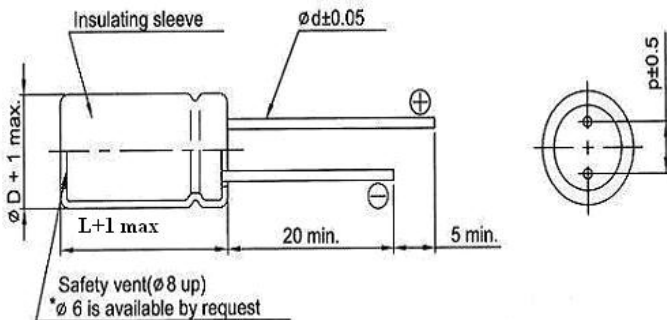
| | | | | | | | | | |
|-------------------------------------|---|--------------------|------|---|------|------|------|------|--|
| Voltage Range | 6.3 ~ 63V | | | | | | | | |
| Capacitance Range | 0.47 ~ 100uF | | | | | | | | |
| Temperature Range | -40 ~ + 105°C | | | | | | | | |
| Capacitance Tolerance | ±20% at 120Hz, 20°C (10% Tol. is available upon request) | | | | | | | | |
| Leakage Current | I ≤ 0.002CV or 0.4uA, whichever is greater (After 3 minutes) | | | | | | | | |
| Dissipation Factor | Rated Voltage (V) | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | |
| | Dissipation Factor (tanδ)max | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.10 | |
| (at 20°C, 120Hz) | | | | | | | | | |
| Stability at Low Temperature | Impedance ration at 120Hz | | | | | | | | |
| | Rated Voltage (V) | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | |
| | Z-25°C/Z 20°C | 4 | 3 | 2 | 2 | 2 | 2 | 2 | |
| | Z-40°C/Z 20°C | 8 | 6 | 4 | 4 | 3 | 3 | 3 | |
| Load Life | After the rated voltage has been applied for 1000 hours at 105°C | Capacitance change | | Within ±20% of initial value | | | | | |
| | | D.F. tanδ | | 200% or less of initial specified value | | | | | |
| | | Leakage current | | Less than initial specified value | | | | | |
| Shelf Life | After storage for 500 hours at 105°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life. | | | | | | | | |

Case Size of Standard Products & Maximum Ripple Current (mA rms 105°C 120Hz)

| Cap. uF | 6.3V | | 10V | | 16V | | 25V | | 35V | | 50V | | 63V | | | | | |
|---------|------|------|--|------|-------|------|-------|------|-------|------|------|------|------|------|-----|----|-----|----|
| | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | | | | |
| 0.47 | | | | | | | | | → | → | 4x7 | 7 | 4x7 | 7 | | | | |
| 1 | | | ALL BLANK VOLTAGE ON SLEEVE MARKING IS SAME VOLTAGE "→" POINT TO | | | | | | | → | → | 4x7 | 10 | 4x7 | 10 | | | |
| 2.2 | | | | | | | | | | | | | → | → | 4x7 | 16 | 4x7 | 16 |
| 3.3 | | | | | | | | | | | | | → | → | 4x7 | 20 | 5x7 | 19 |
| 4.7 | | | | | | | | | | | | | → | → | 4x7 | 21 | | |
| 10 | | | → | → | 4x7 | 27 | 4x7 | 29 | 5x7 | 32 | 5x7 | 35 | | | | | | |
| 22 | → | → | 4x7 | 36 | *5x7 | 40 | 5x7 | 44 | 6.3x7 | 49 | | | | | | | | |
| 33 | → | → | 5x7 | 44 | 5x7 | 50 | 6.3x7 | 55 | | | | | | | | | | |
| 47 | 5x7 | 44 | 5x7 | 49 | 6.3x7 | 62 | | | | | | | | | | | | |
| 100 | 5x7 | 59 | 6.3x7 | 75 | | | | | | | | | | | | | | |

*4x7 Size is available

Diagram of dimensions



| | | | | | |
|-----|-------|------|-----|-----|-----|
| D ø | 3 | 4 | 5 | 6.3 | 8 |
| p | 1±0.3 | 1.5 | 2.0 | 2.5 | 3.5 |
| d ø | 0.4 | 0.45 | | | |