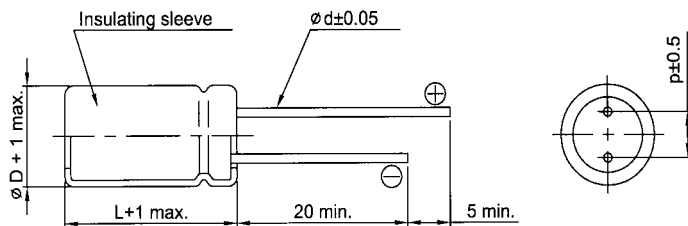


- Super miniature size.
- Designed for use in VTRs, car radios, Car stereos. Micro-cassette tape recorders, pocket calculators and watches.

Characteristics

| | | | | | | | | | | | |
|-------------------------------------|---|--------------------|---|------|------|------|------|------|------|------------------|--|
| Voltage Range | 4 ~ 63V | | | | | | | | | | |
| Capacitance Range | 0.47 ~ 470uF | | | | | | | | | | |
| Temperature Range | -40 ~ + 105°C | | | | | | | | | | |
| Capacitance Tolerance | +20% -20% (at 20°C, 120Hz) | | | | | | | | | | |
| Leakage Current | I≤0.01CV or 3uA, whichever is greater (After 2 minutes) | | | | | | | | | | |
| Dissipation Factor | Rated Voltage (V) | 4V | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | | |
| | Dissipation Factor(tan δ)max | 0.35 | 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) | 4V | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | | |
| | Z-25°C/Z 20°C | 7 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | | |
| | Z-40°C/Z 20°C | 15 | 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. | | | | | | | | | | |

Diagram of dimensions



| | | | | |
|------------|------|-----|-----|-----|
| D φ | 4 | 5 | 6 | 8 |
| p | 1.5 | 2.0 | 2.5 | 3.5 |
| d φ | 0.45 | | | 0.5 |

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

| Cap. uF | 4V | | 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. | Size | R.C. |
| 0.47 | | | | | | | | | | | → | 4x7 | 5 | 4x7 | 6.3 | |
| 1 | | | | | | | | | | | → | 4x7 | 10 | 4x7 | 12 | |
| 2.2 | | | | | | | | | | | → | 4x7 | 17 | 4x7 | 18 | |
| 3.3 | | | | | | | | | | | → | 4x7 | 23 | 4x7 | 25 | |
| 4.7 | | | | | | | | | | | → | 4x7 | 24 | 4x7 | 26 | |
| 10 | | | | | | → | 4x7 | 28 | 4x7 | 30 | 4x7 | 31 | 5x7 | 35 | 6x7 | 42 |
| 22 | | | | | | → | 4x7 | 37 | 5x7 | 50 | 5x7 | 47 | 6x7 | 59 | | |
| 33 | | | | → | 4x7 | 43 | 4x7 | 45 | 5x7 | 52 | 6x7 | 65 | 8x7 | 75 | | |
| 47 | | | | → | 4x7 | 50 | 5x7 | 65 | 6x7 | 71 | 6x7 | 80 | | | | |
| 100 | 4x7 | 55 | 5x7 | 65 | 5x7 | 82 | 6x7 | 92 | *8x9 | 113 | | | | | | |
| 220 | → | 120 | → | 120 | 6x7 | 120 | *8x9 | 145 | | | | | | | | |
| 330 | 6x7 | 120 | 8x7 | 160 | *8x9 | 165 | | | | | | | | | | |
| 470 | *8x9 | 160 | | | | | | | | | | | | | | |

* 8x7 size is available Size 8x9 & 8x7 are 1000 hours at 85°C