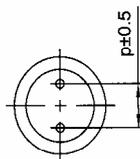
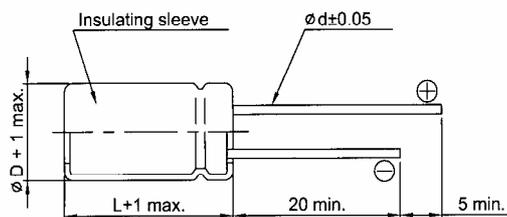


- Ultra miniature Radial Type 5mm Height
- Designed for use in VCRs, car radios, Car stereos.

Characteristics

| | | | | | | | | |
|--|---|--------------------|---|------|------|------|------|------|
| Voltage Range | 4 ~ 50 V | | | | | | | |
| Capacitance Range | 0.1 ~ 220uF | | | | | | | |
| Temperature Range | -40 ~ + 105°C | | | | | | | |
| Capacitance Tolerance | +20% -20% (at 20°C, 120Hz) | | | | | | | |
| Leakage Current | ≤0.01CV or 3uA, whichever is greater (After 2 minutes) | | | | | | | |
| Dissipation Factor | Rated Voltage (V) | 4V | 6.3V | 10V | 16V | 25V | 35V | 50V |
| | Dissipation Factor(tan δ)max | 0.35 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 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 |
| | Z-25°C/Z 20°C | 7 | 4 | 3 | 2 | 2 | 2 | 2 |
| | Z-40°C/Z 20°C | 15 | 8 | 6 | 4 | 4 | 3 | 3 |
| Load Life (size 8x5mm is 85°C 1000hrs) | 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 (size 8x5mm is 85°C 500hrs) | 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 | 3 | 4 | 5 | 6 | 8 |
| p | 1±0.3 | 1.5 | 2.0 | 2.5 | 3.5 |
| d φ | 0.4 | 0.45 | | | |

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

| Cap. WV uF | 4V | | 6.3V | | 10V | | 16V | | 25V | | 35V | | 50V | |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Size | R.C. |
| 0.1 | | | | | | | | | | | | → | 4x5* | 1.0 |
| 0.22 | | | | | | | | | | | | → | 4x5* | 2.0 |
| 0.33 | | | | | | | | | | | | → | 4x5* | 2.8 |
| 0.47 | | | | | | | | | | | | → | 4x5* | 4.0 |
| 1 | | | | | | | | | | | | → | 4x5* | 8.0 |
| 2.2 | | | | | | | | | | | | → | 4x5* | 10 |
| 3.3 | | | | | | | | | | | | → | 4x5 | 17 |
| 4.7 | | | | | | | | → | 4x5* | 16 | 4x5 | 18 | 5x5 | 20 |
| 10 | | | | | | → | 4x5* | 23 | 4x5 | 27 | 5x5 | 30 | 6x5 | 33 |
| 22 | 4x5* | 19 | 4x5* | 28 | 4x5 | 28 | 5x5 | 37 | 5x5 | 42 | 6x5 | 46 | 6x5 | 48 |
| 33 | 4x5* | 26 | 4x5 | 37 | 5x5 | 41 | 5x5 | 49 | 6x5 | 53 | 8x5 | 62 | | |
| 47 | 4x5 | 34 | 5x5 | 45 | 5x5 | 45 | 6x5 | 58 | 6x5 | 60 | 8x5 | 80 | | |
| 100 | 5x5 | 61 | 6x5 | 70 | 6x5 | 80 | 6x5 | 85 | 8x5 | 95 | | | | |
| 220 | 6x5 | 82 | 6x5 | 90 | 8x5 | 95 | | | | | | | | |

* Also 3x5 is available, size 8x5 is 85°C only.