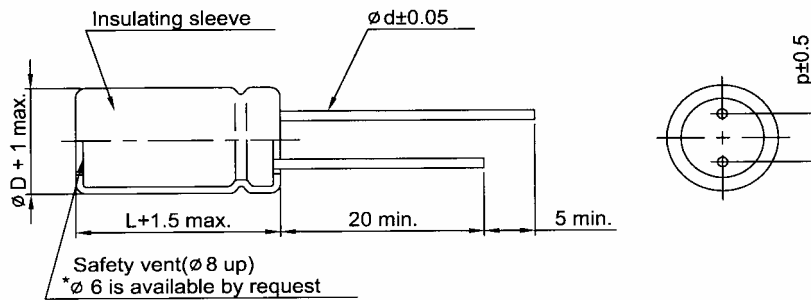


- These are non-polar capacitors designed for circuits with reversing polarity.
- Tolerance of $\pm 10\%$ (K) if required can also be available on request.
- Life time 105°C 1000 Hours

Characteristics

| | | | | | | | | | |
|---|---|------|----------------------|------|------|------|---|------|--|
| Voltage Range | 10~100V | | | | | | | | |
| Capacitance Range | 0.47~1000uF | | | | | | | | |
| Temperature Range | -40 ~ + 105°C | | | | | | | | |
| Capacitance Tolerance | +20% -20% (at 20°C, 120Hz) | | | | | | | | |
| Leakage Current | I=0.03C or 3uA max. (After 3 minutes) | | | | | | | | |
| Dissipation Factor(tan δ) (at 20°C, 120Hz) | Rated voltage | 10V | 16V | 25V | 35V | 50V | 63V | 100V | |
| | tan δ | 0.25 | 0.20 | 0.18 | 0.15 | 0.13 | 0.10 | 0.10 | |
| Stability at Low Temperature | Impedance ration at 120Hz | | | | | | | | |
| | Rated Voltage (V) | 10V | 16V | 25V | 35V | 50V | 63V | 100V | |
| | Z-25°C/Z 20°C | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | Z-40°C/Z 20°C | 6 | 4 | 3 | 3 | 3 | 3 | 3 | |
| Load Life | After rated voltage has been applied on each polarity for 500 hours at 105°C (Total 1000 hours) | | Capacitance change | | | | Within $\pm 15\%$ of initial value | | |
| | | | D.F. (tan δ) | | | | 150% or less of initial specified value | | |
| | | | Leakage current | | | | Less than initial specified value | | |

Diagram of dimensions



| | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|
| D ϕ | 5 | 6.3 | 8 | 10 | 13 | 16 |
| F | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 |
| d ϕ | 0.5 | | 0.5 | | 0.8 | |

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

| Cap. μ F | 10V | | 16V | | 25V | | 35V | | 50V | | 63V | | 100V | |
|--------------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. | Size | R.C. |
| 0.47 | | | | | | | | | 5x11 | 8 | 5x11 | 9 | 5x11 | 10 |
| 1 | | | | | | | | | 5x11 | 12 | 5x11 | 14 | 5x11 | 15 |
| 2.2 | | | | | | | | | 5x11 | 17 | 5x11 | 20 | 6.3x11 | 22 |
| 3.3 | | | | | | | | | 5x11 | 23 | 5x11 | 25 | 6.3x11 | 22 |
| 4.7 | | | | | | | | | 5x11 | 30 | 5x11 | 30 | 8x12 | 36 |
| 10 | | | | | 5x11 | 34 | 5x11 | 38 | 6.3x11 | 50 | 6.3x11 | 52 | 8x12 | 52 |
| 22 | | | 5x11 | 53 | 6.3x11 | 55 | 6.3x11 | 65 | 8x12 | 85 | 8x12 | 88 | 10x16 | 120 |
| 33 | | | 5x11 | 62 | 6.3x11 | 72 | 8x12 | 75 | 8x12 | 89 | 10x13 | 115 | 10x21 | 175 |
| 47 | 5x11 | 79 | 6.3x11 | 90 | 6.3x11 | 96 | 8x12 | 107 | 8x12 | 123 | 10x16 | 150 | 13x21 | 187 |
| 100 | 6.3x11 | 99 | 6.3x11 | 123 | 8x12 | 152 | 10x13 | 198 | 10x16 | 220 | 13x21 | 295 | 16x26 | 399 |
| 220 | 8x12 | 157 | 10x13 | 234 | 10x13 | 245 | 10x21 | 320 | 13x21 | 340 | 13x26 | 420 | 16x32 | 520 |
| 330 | 10x13 | 235 | 10x13 | 255 | 10x16 | 310 | 13x21 | 370 | 16x26 | 500 | | | | |
| 470 | 10x13 | 290 | 10x16 | 360 | 13x21 | 420 | 13x26 | 495 | 16x32 | 590 | | | | |
| 1000 | 10x21 | 430 | 13x21 | 511 | | | | | | | | | | |