

Miniature Aluminum Electrolytic Capacitors

UGX/UAX Series

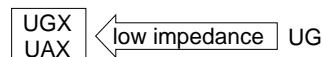
5mm in length, Low impedance (solvent proof)

UGX/UAX series reduced high frequency impedance to 60% and increased maximum permissible ripple current as compared with UG series (same size series).

UGX/UAX series has same characteristics as UG series even if 1 size smaller, so contributes toward miniaturization of any products.

It is suitable for DC/DC converter, inverter for LCD backlight and noise limiter etc.

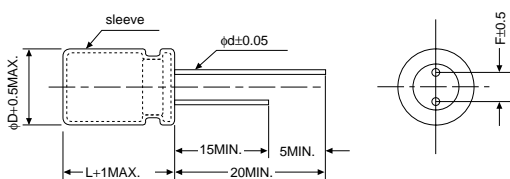
Solvent proof (within 2 minutes).



Specifications

| Items | Specifications | | | | |
|--|---|----------------------------------|------|------|------|
| Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 |
| Operating temperature range (°C) | -55 to +105 | | | | |
| Capacitance tolerance (%) | ±20 (120Hz) | | | | |
| Tangent of loss angle(tan δ)(MAX.)(120Hz) | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 |
| Leakage current (L.C.)(μA/after 2min.)(MAX.) | The greater value of either 0.01CV or 3 | | | | |
| Impedance (120Hz) ratio at low temperature (MAX.) | Z _{-40°C} /Z _{20°C} | 3 | 2 | 2 | 2 |
| | Z _{-55°C} /Z _{20°C} | 5 | 4 | 4 | 3 |
| High-temperature load 105°C 1000hrs. rated voltage applied | ΔC/C | Within ±25% of the initial value | | | |
| | tan δ | ≤ Twice the initial standard | | | |
| | L.C. | ≤ The initial standard | | | |
| Other characteristics | Conform to IEC 384-4 | | | | |

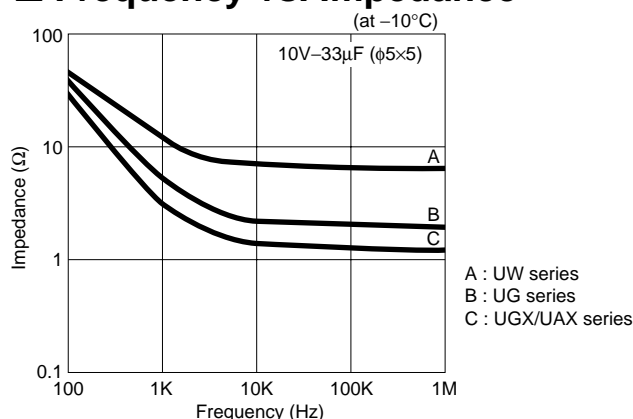
Dimensions



(unit : mm)

| | | | |
|----|------|------|------|
| φD | 4 | 5 | 6.3 |
| F | 1.5 | 2.0 | 2.5 |
| φd | 0.45 | 0.45 | 0.45 |

Frequency vs. Impedance



Size List

| μF \ V | 6.3 | 10 | 16 | 25 | 35 |
|--------|----------------|----------------|----------------|----------------|----------------|
| 4.7 | | | | | 4×5 2.20 80 |
| 10 | | | | 4×5 2.20 80 | 5×5 0.76 150 |
| 15 | | | 4×5 2.20 80 | 5×5 0.76 150 | 5×5 0.76 150 |
| 22 | | 4×5 2.20 80 | 5×5 0.76 150 | 5×5 0.76 150 | 5×5 0.76 150 |
| 27 | 4×5 2.20 80 | | | | |
| 33 | | 5×5 0.76 150 | | 6.3×5 0.44 230 | 6.3×5 0.44 230 |
| 47 | 5×5 0.76 150 | | 6.3×5 0.44 230 | 6.3×5 0.44 230 | 6.3×5 0.44 230 |
| 56 | 5×5 0.76 150 | | | 6.3×5 0.44 230 | |
| 68 | | 6.3×5 0.44 230 | 6.3×5 0.44 230 | | |
| 100 | 6.3×5 0.44 230 | | 6.3×5 0.44 230 | | |
| 120 | | | 6.3×5 0.44 230 | | |
| 130 | | 6.3×5 0.44 230 | | | |
| 150 | 6.3×5 0.44 230 | | | | |
| 220 | 6.3×5 0.44 230 | | | | |

Case size ; φD×L (mm)
 Impedance ; (Ω) MAX. at 100kHz, 20°C
 Maximum permissible ripple current ; (mA r.m.s.) at 100kHz, 105°C

Model No. 35MV10UGX

10μF, nominal capacitance
 35V, rated voltage

35MV10UAX
 10μF, nominal capacitance
 35V, rated voltage