

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVTX Series

135°C Long Life

High Ripple Current

- 135°C 2,000 to 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

HVTX
135°C ↑
HVPX

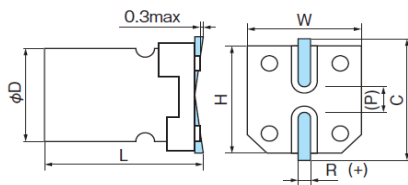
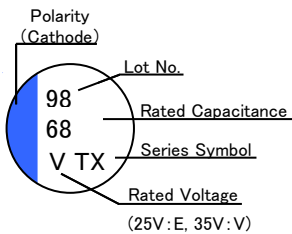
φ 6.3 × 6.0
φ 6.3 × 7.7



Specifications

| Items | Condition | Specifications | |
|---------------------------------|---|----------------|---------------------------------------|
| Rated voltage (V) | — | 25 | 35 |
| Surge voltage (V) | Room temperature | 32 | 44 |
| Category temperature range (°C) | — | -55 to +135 | |
| Capacitance tolerance (%) | 120Hz/20°C | M: ±20 | |
| Dissipation Factor (tan δ) | tan δ (max) 120Hz/20°C | 0.14 | 0.12 |
| Leakage current (LC) | μ A/after 2 minutes (max) | 0.01CV | |
| Endurance | 135°C rated voltage applied (With the rated ripple current) | Test | 4,000hours (φ 6.3 × 6.0 2,000hours) |
| | | Δ C/C | Within ±30% of the initial value |
| | | tan δ | Less than 200% of the specified value |
| | | ESR | Less than 200% of the specified value |
| | | LC | Less than the specified value |

Marking, Dimensions



(P)reference size

(Unit: mm)

| D ±0.5 | L ±0.3 | W ±0.2 | H ±0.2 | C ±0.2 | R | P |
|--------|--------|--------|--------|--------|------------|-----|
| 6.3 | 6.0 | 6.6 | 6.6 | 7.3 | 0.5 to 0.8 | 2.2 |
| 6.3 | 7.7 | 6.6 | 6.6 | 7.3 | 0.5 to 0.8 | 2.2 |
| 8 | 10.5 | 8.3 | 8.3 | 9.0 | 0.7 to 1.0 | 3.2 |
| 10 | 10.5 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |
| 10 | 12.5 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |

Size, ESR, Rated Ripple Current

| μ F \ V | 25 | | 35 | | | |
|---------|-----------|----|-----------|-----------|------|------|
| 47 | | | 6.3 × 6.0 | 60 | 900 | |
| 56 | 6.3 × 6.0 | 50 | 900 | | | |
| 68 | | | 6.3 × 7.7 | 35 | 1400 | |
| 100 | 6.3 × 7.7 | 30 | 1400 | | | |
| 150 | | | 8 × 10.5 | 27 | 1600 | |
| 220 | 8 × 10.5 | 27 | 1600 | | | |
| 270 | | | 10 × 10.5 | 20 | 2000 | |
| 330 | 10 × 10.5 | 20 | 2000 | 10 × 12.5 | 17 | 2260 |
| 470 | 10 × 12.5 | 16 | 2260 | | | |

Case size: φ D × L (mm)

ESR (mΩ) max at 100kHz, 20°C

Rated ripple current
mArms(100kHz, 135°C)

Part number

