

XP

High voltage · Long life Series

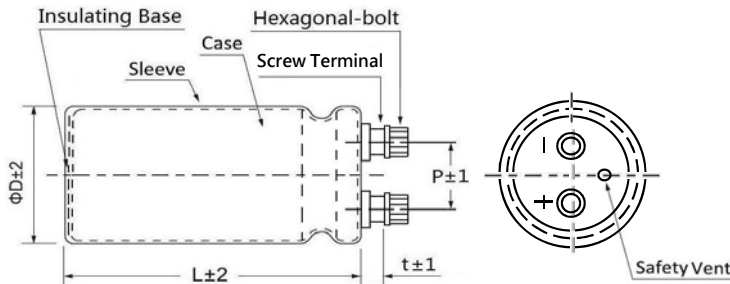
- Endurance: 105°C 5000hours
- Recommended Applications :UPS · service system · press working equipment · charging equipment · inverter · converter
- Corresponding product to RoHS



■ SPECIFICATIONS

| Item | Characteristics | | | | | |
|--|---|---------------------------------------|------|------|------|------|
| Category Temperature Range | -40 ~ +105°C | | | | | |
| Rated Voltage Range | 200 ~ 450VDC | | | | | |
| Capacitance Tolerance | ± 20 % (120Hz , 20°C) | | | | | |
| Leakage Current (20°C) | I ≤ 0.02CV or 5mA whichever is greater. (After rated voltage applied for 5 minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) | | | | | |
| Dissipation Factor(MAX) (tan δ) (120Hz ,20°C) | WV | 200 | 250 | 350 | 400 | 450 |
| | tan δ | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| Low Temperature Stability Impedance Ratio (MAX) | Measurement frequency : 120Hz | | | | | |
| | Rated voltage(V) | 200~450 | | | | |
| | Z-25°C / Z+20°C | 8 | | | | |
| Endurance | After applying rated voltage with ripple current for 5000 hours at 105°C, the capacitors shall meet the following requirements. | | | | | |
| | Capacitance change | Within ± 20% of initial value | | | | |
| | D.F. (tan δ) | Not more than 200% of specified value | | | | |
| | Leakage current | Not more than the specified value | | | | |
| Shelf Life | After placed at 105°C without voltage applied for 1000 hours, the capacitor shall meet the same requirements as Endurance. | | | | | |

■ 尺寸图



| ΦD | P | t | Hexagonal-bolt |
|----|------|-----|----------------|
| 51 | 22.2 | 6.3 | M5 × 0.8 × 10 |
| 64 | 28.5 | 6.3 | M5 × 0.8 × 10 |
| 77 | 31.8 | 5.8 | M5 × 0.8 × 10 |
| 90 | 31.6 | 5.8 | M6 × 1.0 × 10 |

■ 纹波电流频率修正系数

| Freq. (Hz) | 60(50) | 120 | 300 | 1K | ≥ 10K |
|-------------|--------|------|------|------|-------|
| coefficient | 0.70 | 1.00 | 1.10 | 1.30 | 1.40 |

| Temperature | 40 | 60 | 85 | 105 |
|-------------|------|------|------|------|
| coefficient | 2.44 | 2.16 | 2.00 | 1.00 |

■ STANDARD RATINGS

| Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | $\tan \delta$ | Ripple current (A/rms105°C) (120Hz) | Rated Voltage (SurageVoltage) (V) | Cap (μ F) | Case size Φ DxL(mm) | $\tan \delta$ | Ripple current (A/rms105°C) (120Hz) |
|---|-------------------|-----------------------------|---------------|---|---|-------------------|-----------------------------|---------------|---|
| 200 (250) | 2200 | 51x80 | 0.20 | 2.92 | 400 (450) | 1200 | 51x96 | 0.15 | 4.14 |
| | 3300 | 51x100 | 0.20 | 3.94 | | 1500 | 51x115 | 0.15 | 5.02 |
| | 4700 | 64x100 | 0.20 | 5.13 | | 1800 | 51x130 | 0.15 | 5.81 |
| | 6800 | 64x121 | 0.20 | 6.71 | | 2200 | 51x130 | 0.15 | 6.43 |
| | 10000 | 77x121 | 0.20 | 8.31 | | | 64x96 | 0.15 | 6.22 |
| | 15000 | 77x144 | 0.20 | 10.98 | | 2700 | 64x115 | 0.15 | 7.45 |
| | 22000 | 90x145 | 0.20 | 11.40 | | 3300 | 64x130 | 0.15 | 8.69 |
| | 33000 | 90x236 | 0.20 | 17.34 | | 3900 | 64x155 | 0.15 | 10.23 |
| 250 (300) | 1500 | 51x80 | 0.20 | 2.41 | | | 77x115 | 0.15 | 9.18 |
| | 2200 | 51x100 | 0.20 | 3.21 | | 4700 | 64x195 | 0.15 | 12.47 |
| | 3300 | 64x100 | 0.20 | 4.47 | | | 77x130 | 0.15 | 10.62 |
| | 4700 | 64x121 | 0.20 | 5.80 | | 5600 | 64x195 | 0.15 | 13.61 |
| | 6800 | 77x121 | 0.20 | 7.15 | | | 77x155 | 0.15 | 12.53 |
| | 10000 | 90x145 | 0.20 | 9.36 | | 6800 | 90x157 | 0.15 | 14.73 |
| | 15000 | 90x171 | 0.20 | 12.36 | | 8200 | 90x157 | 0.15 | 16.17 |
| | 22000 | 90x236 | 0.20 | 17.30 | | 10000 | 90x196 | 0.15 | 19.70 |
| 350 (400) | 1000 | 51x75 | 0.15 | 3.06 | 12000 | 90x236 | 0.15 | 23.48 | |
| | 1200 | 51x75 | 0.15 | 3.35 | 450 (500) | 1000 | 51x96 | 0.15 | 4.25 |
| | 1500 | 51x96 | 0.15 | 4.17 | | 1200 | 51x115 | 0.15 | 5.05 |
| | 1800 | 51x96 | 0.15 | 4.57 | | 1500 | 51x130 | 0.15 | 5.97 |
| | 2200 | 51x130 | 0.15 | 5.78 | | 1800 | 64x96 | 0.15 | 6.20 |
| | 2700 | 64x96 | 0.15 | 6.00 | | 2200 | 64x115 | 0.15 | 7.41 |
| | 3300 | 64x115 | 0.15 | 7.18 | | 2700 | 64x130 | 0.15 | 8.67 |
| | 3900 | 64x130 | 0.15 | 8.24 | | | 77x115 | 0.15 | 8.69 |
| | 4700 | 64x155 | 0.15 | 9.79 | | 3300 | 64x155 | 0.15 | 10.37 |
| | | 77x115 | 0.15 | 8.95 | | | 77x130 | 0.15 | 10.14 |
| | 5600 | 64x196 | 0.15 | 11.87 | | 3900 | 64x195 | 0.15 | 12.53 |
| | | 77x130 | 0.15 | 10.30 | | 4700 | 77x155 | 0.15 | 13.07 |
| | 6800 | 77x130 | 0.15 | 12.27 | | 5600 | 77x195 | 0.15 | 15.82 |
| | 8200 | 90x157 | 0.15 | 13.86 | | | 90x157 | 0.15 | 14.89 |
| | 10000 | 90x157 | 0.15 | 15.31 | | 6800 | 90x196 | 0.15 | 18.10 |
| | 12000 | 90x196 | 0.15 | 18.50 | | 8200 | 90x196 | 0.15 | 19.88 |
| 15000 | 90x236 | 0.15 | 22.50 | 10000 | | 90x236 | 0.15 | 23.88 | |
| 400 (450) | 1000 | 51x75 | 0.15 | 3.40 | | | | | |