

ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 85°C
- Medium and high voltage, large capacitance, screw, high ripple current
- Used in storing energy of electric welder and UPS, air conditioners etc.

■ SPECIFICATIONS

| Item | Characteristics | |
|---|---|---|
| Operating Temperature Range(°C) | -40~+85 | -25~+85 |
| Rated Voltage Range (V) | 160~250 | 350~450 |
| Nominal capacitance range (μF) | 220~18000 | |
| Capacitance Tolerance(20°C,120Hz) | ±20% | |
| Leakage current (μA) | I ≤ 0.02CV or 5mA, whichever is smaller . C: Nominal capacitance (μF) V: Rated voltage (V) | |
| Dissipation Factor(20°C,120Hz) | tanδ ≤ 0.25 | |
| Load Life(+85) | Time | 2000hours |
| | Leakage Current | Not more than the specified value |
| | Capacitance Change | within ±15% of the initial value |
| | Dissipation Factor | Not more than 175% of the specified value |
| Shelf Life(+85°C) | Time | 1000hours |
| | Leakage Current | Not more than the specified value |
| | Capacitance Change | within ±15% of the initial value |
| | Dissipation Factor | Not more than 175% of the specified value |
| After Test : Rated voltage to be applied for 60 minutes,24 to 48 hours before measurement | | |

■ DIMENSIONS

MM

| ΦD | 35 | 50 | 65 | 76 |
|----|----|----|----|----|
| F | 13 | 22 | 28 | 32 |

■ STANDARD RATINGS

| WV(V) | 160 | | 200 | | 250 | | 350 | | 400 | | 450 | |
|---------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
| Cap(μF) | ΦDxL(mm) | Ripple (A) | ΦDxL(mm) | Ripple (A) | ΦDxL(mm) | Ripple (A) | ΦDxL(mm) | Ripple (A) | ΦDxL(mm) | Ripple (A) | ΦDxL(mm) | Ripple (A) |
| 220 | - | - | - | - | - | - | - | - | - | - | 35x60 | 0.86 |
| 330 | - | - | - | - | - | - | - | - | 35x60 | 1.9 | 35x80 | 1.1 |
| 470 | - | - | - | - | - | - | 35x60 | 1.5 | 35x80 | 2.3 | 35x100 | 1.4 |
| 680 | - | - | 35x60 | 1.7 | 35x60 | 1.5 | 35x80 | 1.8 | 35x100 | 2.5 | 50x80 | 1.8 |
| 1000 | 35x60 | 1.7 | 35x80 | 2.3 | 35x80 | 1.9 | 50x80 | 2.3 | 50x80 | 2.8 | 50x100 | 2.4 |
| 1500 | 35x80 | 2.3 | 35x100 | 2.9 | 50x80 | 2.5 | 50x100 | 3.0 | 50x100 | 3.1 | 65x100 | 3.1 |
| 2200 | 35x100 | 2.9 | 50x80 | 3.8 | 50x100 | 3.5 | 65x100 | 3.9 | 65x120 | 3.8 | 65x120 | 4.0 |
| 3300 | 50x80 | 3.8 | 50x100 | 4.8 | 65x100 | 4.7 | 65x120 | 5.3 | 65x120 | 5.1 | 76x120 | 5.4 |
| 4700 | 50x100 | 4.8 | 65x100 | 6.3 | 65x120 | 5.7 | 76x120 | 7.0 | 76x120 | 6.7 | 76x140 | 6.2 |
| 6800 | 65x100 | 6.3 | 65x120 | 7.8 | 76x120 | 7.3 | 76x140 | 7.8 | 76x140 | 7.5 | - | - |
| 10000 | 65x120 | 7.8 | 76x120 | 10.6 | 76x140 | 8.2 | - | - | - | - | - | - |
| 15000 | 76x120 | 10.6 | 76x140 | 11.8 | - | - | - | - | - | - | - | - |
| 18000 | 76x140 | 11.8 | - | - | - | - | - | - | - | - | - | - |

- Ripple Current: 85°C,100 or 120Hz.

The specific capacitance and case size are available on request.