

ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP

TS13D CD11G

DISCONTINUED



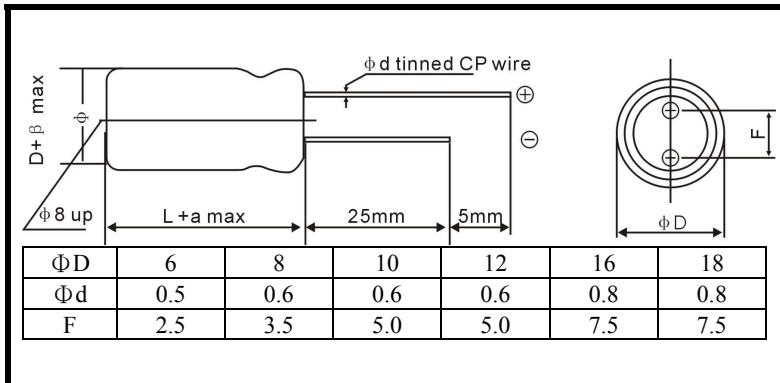
FEATURES

- 105°C 3000hour

◆ Specifications

| ITEMS | | PERFORMANCE CHARACTERISTICS | | | | | |
|-----------------------------|--|--|------|------|---|------|--|
| Rated Voltage | DC160~450V | | | | | | |
| Capacitance | ±20% | | | | | | |
| Dissipation Factor | Rated Voltage (V) | 200 | 250 | 350 | 400 | 450 | |
| | Tan δ | 0.06 | 0.06 | 0.08 | 0.08 | 0.12 | |
| Leakage Current | Rated Voltage (V) | 200~250V | | | 350~450V | | |
| | Leakage Current | 0.01CV or 3 μ A whichever is greater (at 20°C, after 2 minutes) | | | 0.06CV+10 μ A (at 20°C, after 2 minutes) | | |
| Load Life (+130°C or 105°C) | After application of the voltage plus the rated ripple current at 105°C, the capacitors shall meet the below requirement | | | | | | |
| | Time | 3000hours | | | | | |
| | Leakage Current | Not more than the specified value. | | | | | |
| | Capacitance Change | Within±30% of the initial value | | | | | |
| Shelf Life (105°C) | After leaving capacitors under no load at 105°C for 1000 hours, capacitors shall meet the specified value for load life characteristics listed above | | | | | | |
| | Dissipation Factor | Not more than 300% of the specified value. | | | | | |

◆ Dimensions



◆ Multiplier for ripple current

| Frequency coefficient factor for ripple current | | | | |
|---|------|------|--------|---------|
| Frequency | 120 | 1K | 10-30K | 30-100K |
| W.V Factor | | | | |
| 200-250 | 0.55 | 0.85 | 0.9 | 1.00 |
| 350-450 | 0.5 | 0.8 | 0.9 | 1.00 |

◆ Case Size DxL (mm) Ripple Current (mA, 105°C/120Hz)

| WV/V Cap/ μ F | 160 | | 200 | | 250 | | 350 | | 400 | | 450 | |
|----------------------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|
| | Size | Ripple | Size | Ripple | Size | Ripple | Size | Ripple | Size | Ripple | Size | Ripple |
| 1.0 | 6.3x11 | 30 | 6.3x11 | 30 | 6.3x11 | 30 | 8x12 | 35 | 8x12 | 35 | 8x12 | 35 |
| 2.2 | 6.3x11 | 35 | 6.3x11 | 35 | 8x12 | 35 | 8x16 | 40 | 8x16 | 40 | 8x16 | 45 |
| 3.3 | 8x12 | 40 | 8x12 | 40 | 10x14 | 40 | 10x17 | 50 | 10x17 | 50 | 10x17 | 50 |
| 4.7 | 8x12 | 50 | 8x12 | 50 | 8x12 | 50 | 10x17 | 60 | 10x20 | 60 | 13x20 | 60 |
| 6.8 | 8x16 | 65 | 8x16 | 65 | 8x16 | 70 | 10x17 | 80 | 10x20 | 80 | 10x20 | 60 |
| 10 | 8x16 | 85 | 10x17 | 95 | 10x20 | 100 | 13x20 | 110 | 13x20 | 110 | 13x20 | 120 |
| 22 | 10x20 | 150 | 10x20 | 170 | 13x20 | 230 | 13x25 | 230 | 16x25 | 160 | 16x25 | 210 |
| 33 | 13x20 | 190 | 13x20 | 230 | 13x25 | 240 | 16x25 | 190 | 16x30 | 240 | 16x30 | 260 |
| 47 | 13x25 | 230 | 13x25 | 250 | 16x25 | 270 | 16x30 | 250 | 16x35 | 320 | 18x31 | 330 |
| 68 | 13x25 | 270 | 16x25 | 290 | 16x30 | 340 | 16x35 | 320 | 18x35 | 380 | -- | -- |
| 100 | 16x25 | 380 | 16x30 | 420 | 18x30 | 450 | -- | -- | -- | -- | -- | -- |
| 150 | 18x30 | 450 | 18x35 | 500 | -- | -- | -- | -- | -- | -- | -- | -- |
| 220 | 18x35 | 550 | 18x40 | 650 | -- | -- | -- | -- | -- | -- | -- | -- |

Note: Specification are subject to change without notice. For more detail and update, please visit our website.