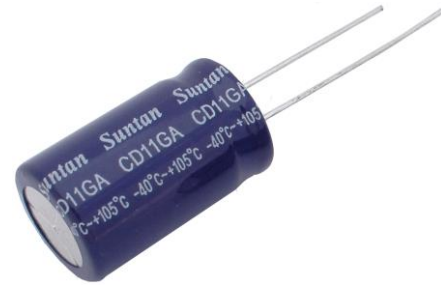


ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP

TS13D CD11GA



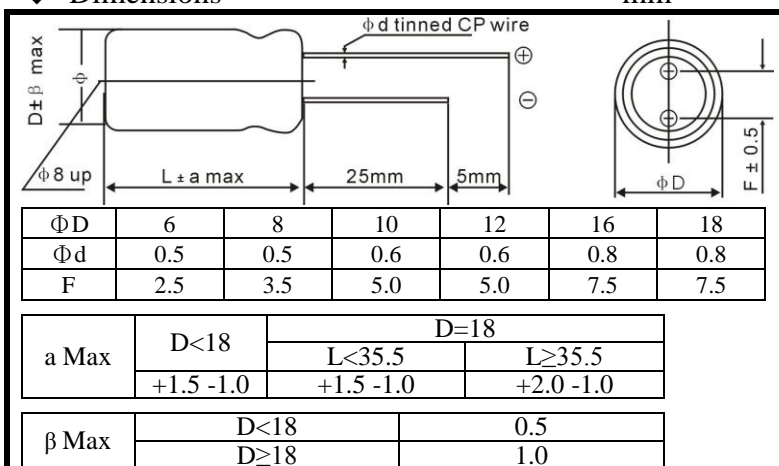
FEATURES

- Specially designed for electronic ballast and energy-save lamp high Ripple Current High Temperature, extremely Long Life
- 130°C 2000 hours or 105°C 8000 hours

◆ Specifications

| ITEMS | | PERFORMANCE CHARACTERISTICS | | | | | |
|----------------------|--|--|------|------|--|------|--|
| Rated Voltage | DC160~450V | | | | | | |
| Capacitance | ±20% | | | | | | |
| Dissipation Factor | Raged Voltage (V) | 200 | 250 | 350 | 400 | 450 | |
| | Tan δ | 0.08 | 0.08 | 0.08 | 0.08 | 0.12 | |
| Leakage Current | Rated Voltage (V) | 200~250V | | | 350~450V | | |
| | Leakage Current | 0.02CV+10 μ A (at 20°C, after 2 minutes) | | | 0.02CV+10 μ A (at 20°C, after 2 minutes) | | |
| Load Life (105°C) | After application of the voltage at 130°C 2000hours or 105°C 8000hours, the capacitors shall meet the below requirement | | | | | | |
| | Time | 130°C 2000hours or 105°C 8000hours | | | | | |
| | Leakage Current | Not more than the specified value. | | | | | |
| | Capacitance Change | Within±30% of the initial value | | | | | |
| Shelf Life (105±2°C) | Dissipation Factor | Not more than 300% of the specified value. | | | | | |
| | After leaving capacitors under no load at 105°C for 1000 hours, capacitors shall meet the specified value for load life characteristics listed above | | | | | | |

◆ Dimensions



◆ Multiplier for ripple current

| Frequency coefficient factor for ripple current | | | | |
|---|-------|------|-------|--------|
| Frequency | 120Hz | 1KHz | 10KHz | 100KHz |
| Cap (uF) 2.2-47 | 0.85 | 0.9 | 1 | 1.1 |
| 68 - 330 | 0.9 | 0.95 | 1 | 1.1 |

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

| 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 | 80 | 6.3x11 | 80 | 6.3x11 | 80 | 8x12 | 90 | 8x12 | 90 | 8x16 | 100 |
| 2.2 | 6.3x11 | 90 | 6.3x11 | 90 | 8x12 | 90 | 8x16 | 100 | 10x16 | 110 | 10x16 | 110 |
| 3.3 | 8x12 | 100 | 8x12 | 100 | 8x12 | 100 | 10x17 | 110 | 10x17 | 120 | 10x17 | 120 |
| 4.7 | 8x12 | 120 | 8x12 | 120 | 10x12 | 120 | 10x17 | 140 | 10x20 | 140 | 10x20 | 140 |
| 6.8 | 8x16 | 150 | 8x16 | 150 | 8x16 | 160 | 10x17 | 200 | 10x20 | 200 | 10x20 | 140 |
| 10 | 8x16 | 220 | 10x17 | 220 | 10x20 | 250 | 13x20 | 250 | 13x20 | 250 | 13x20 | 280 |
| 22 | 10x20 | 450 | 12x20 | 450 | 13x20 | 540 | 13x25 | 310 | 16x25 | 380 | 16x30 | 500 |
| 33 | 13x20 | 450 | 13x20 | 540 | 13x25 | 540 | 16x25 | 450 | 16x30 | 580 | 16x35 | 630 |
| 47 | 13x25 | 580 | 13x25 | 600 | 16x25 | 650 | 16x30 | 600 | 18x35 | 750 | 18x35 | 800 |
| 68 | 13x25 | 680 | 16x25 | 680 | 16x30 | 830 | 16x35 | 760 | 18x35 | 900 | -- | -- |
| 100 | 16x25 | 1000 | 16x30 | 1000 | 18x30 | 1080 | -- | -- | -- | -- | -- | -- |
| 150 | 18x30 | 1200 | 18x35 | 1200 | -- | -- | -- | -- | -- | -- | -- | -- |

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