

ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP

DISCONTINUED

TS13D CD11GH



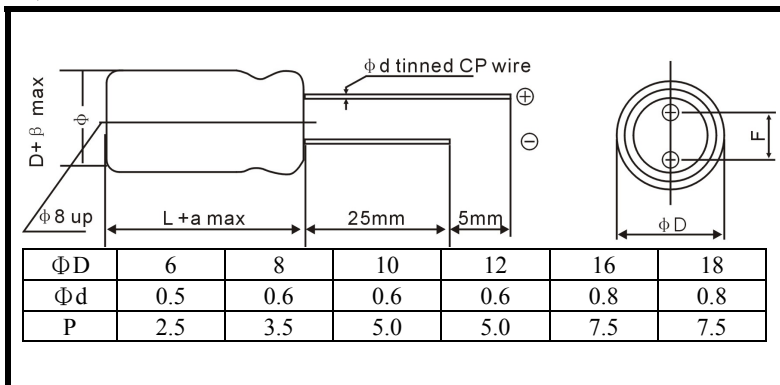
FEATURES

- 105°C 5000-8000hour

◆ Specifications

| ITEMS | | PERFORMANCE CHARACTERISTICS | | | | | |
|-----------------------------|--|--|-----|-----|---|------|--|
| Rated Voltage | DC160~450V | | | | | | |
| Capacitance | ±20% | | | | | | |
| Dissipation Factor | Raged Voltage (V) | 200 | 250 | 350 | 400 | 450 | |
| | Tan δ | 0.1 | 0.1 | 0.1 | 0.1 | 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 rated voltage and the rated ripple current at 105°C, the capacitors shall meet the below requirement | | | | | | |
| | Time | 5000hours | | | | | |
| | 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

| W.V Factor | Frequency | | | |
|---------------|-----------|------|--------|---------|
| | 120 | 1K | 10-30K | 30-100K |
| 200-250 | 0.55 | 1.3 | 0.9 | 1.00 |
| 350-450 | 0.5 | 1.15 | 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 | 70 | 6.3x11 | 70 | 6.3x11 | 70 | 8x12 | 80 | 8x12 | 80 | 8x12 | 80 |
| 2.2 | 6.3x11 | 80 | 6.3x11 | 80 | 8x12 | 80 | 8x16 | 90 | 8x16 | 90 | 8x16 | 100 |
| 3.3 | 8x12 | 90 | 8x12 | 90 | 8x12 | 90 | 10x17 | 100 | 10x17 | 110 | 10x17 | 110 |
| 4.7 | 8x12 | 110 | 8x12 | 110 | 10x12 | 110 | 10x17 | 130 | 10x20 | 130 | 10x20 | 130 |
| 6.8 | 8x16 | 140 | 8x16 | 140 | 8x16 | 150 | 10x17 | 160 | 10x20 | 180 | 10x20 | 130 |
| 10 | 8x16 | 185 | 10x17 | 210 | 10x20 | 230 | 13x20 | 230 | 13x20 | 230 | 13x20 | 260 |
| 22 | 10x20 | 350 | 10x20 | 420 | 13x20 | 500 | 13x25 | 300 | 16x25 | 350 | 16x25 | 460 |
| 33 | 13x20 | 400 | 13x20 | 510 | 13x25 | 500 | 16x25 | 420 | 16x30 | 540 | 16x35 | 600 |
| 47 | 13x25 | 480 | 13x25 | 550 | 16x25 | 600 | 16x30 | 560 | 18x35 | 700 | 18x35 | 700 |
| 68 | 13x25 | 600 | 16x25 | 650 | 16x30 | 780 | 16x35 | 720 | 18x35 | 850 | -- | -- |
| 100 | 16x25 | 850 | 16x30 | 950 | 18x30 | 1000 | -- | -- | -- | -- | -- | -- |
| 150 | 18x30 | 1100 | 18x35 | 1150 | -- | -- | -- | -- | -- | -- | -- | -- |

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