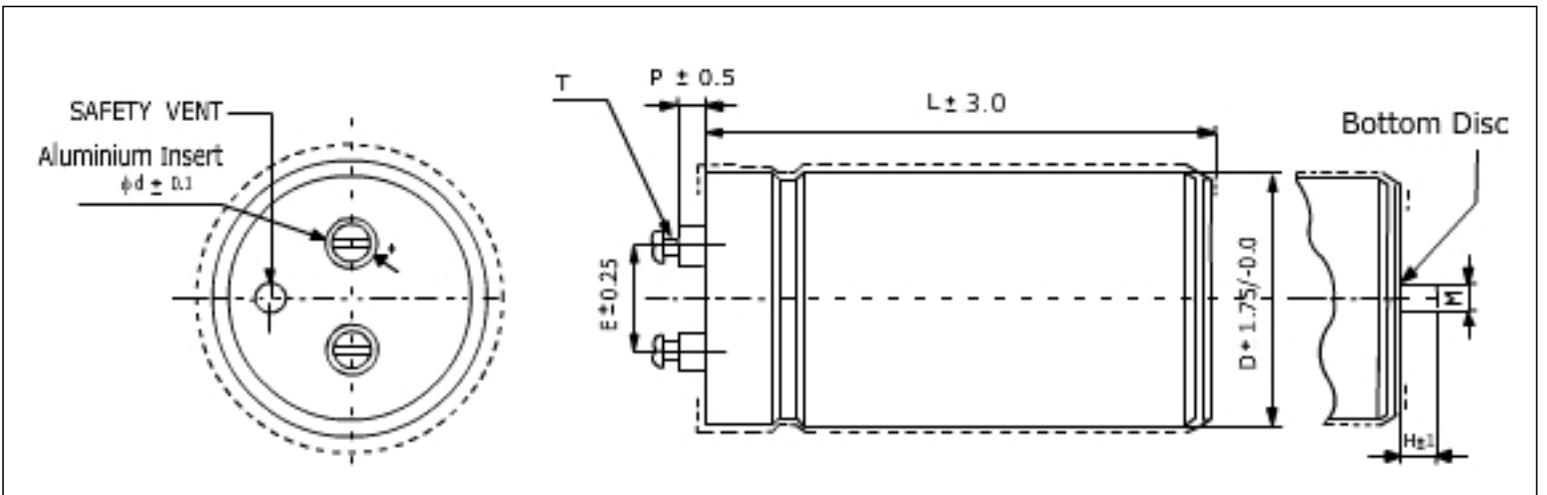


ALUMINUM ELECTROLYTIC CAPACITORS

PG-6SR 790 - 5600MFD - 450VDC - 76X145 - AEST-D(Provisional)

DATE :05-09-2014



Note: ALL DIMENSIONS ARE IN MM

Dimensions

| D | L | E | P | T | d | M | H | Terminal Style |
|----|-----|------|-----|------------|----|----|----|----------------|
| 76 | 145 | 31.6 | 7.8 | M5X0.8pX10 | 12 | 12 | 16 | AEST-D |

Electrical parameters

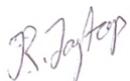
| | |
|--|---|
| Nominal Capacitance at 100 Hz and 25°C | 5600 MFD |
| Capacitance Tolerance | ±20% |
| Rated Voltage DC | 450 Vdc |
| Surge Voltage | 495 Vdc |
| Max ESR (at 100 Hz and 25°C) | 0.038 Ohm |
| Typical ESR (at 100 Hz and 25°C) | 0.025 Ohm |
| Max Impedance (at 10 kHz and 25°C) | 0.030 Ohm |
| Max Leakage Current (After 5 min of applying rated voltage) | 7560 µA at 25°C |
| Max Ripple Current (at 100 Hz and 85°C) | 12.5 Amp |
| Temperature Range | -40°C to +85°C |
| Voltage Endurance Test | 2000h @85°C and Rated voltage After Test: Change in capacitance : less than or equal to ±10% of Initial value ESR: less than or equal to 1.3 X initial spec value Leakage Current : less than or equal initial spec limit |
| Useful Life | 5000h @85°C, Rated voltage, Rated current After Test Change in capacitance: within ±30% of initial value ESR : less than or equal to 3 times of the initial spec value Leakage Current : less than or equal to initial spec limit |

Multiplying Factor for Ripple Current at other Temperatures

| +40°C | +45°C | +50°C | +65°C |
|-------|-------|-------|-------|
| 2.10 | 2.00 | 1.90 | 1.60 |

Ripple Current Capacity at other Frequency

| Frequency Hz | 100 | 250 | 500 | 1K to 10K | >10K |
|--------------------|------|------|------|-----------|------|
| Multiplying Factor | 1.00 | 1.05 | 1.20 | 1.32 | 1.35 |

| | | |
|---|---|---|
| Prepared By  | Verified By  | Approved By  |
|---|---|---|