



# SUPERTECH ELECTRONIC CO., LTD.

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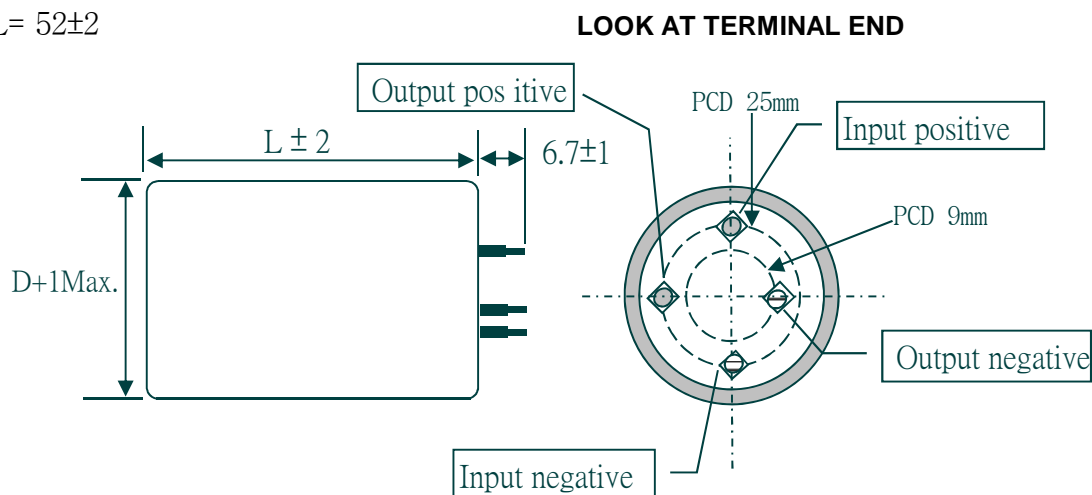
## SPECIFICATION OF ALUMINUM ELECTROLYTIC CAPACITOR

Customer: Alpha Motors e.p.e		Issue No.: 20150515001
		Issue Date: May. 15, 2015
Part No.: TNF472M1J4052B		Working Voltage: 63VDC
Capacitance: 4,700 $\mu$ F	Tolerance: $\pm 20\%$	Type: T-NETWORK/Slit Foil

### Shape & Dimensions(mm)

D= 40+1 Max.

L= 52 $\pm$ 2



### Electrical Characteristics

Operating Temperature Range:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Leakage Current: Not greater than 1632 $\mu$ A after 5 minutes. ( $3\sqrt{\text{CV}}$ )

Surge Voltage: 79 VDC

Max. ESR: 32 m $\Omega$  at 120Hz 20 $^{\circ}\text{C}$

Max. Impedance: 20 m $\Omega$  at 10KHz 20 $^{\circ}\text{C}$

Max. Ripple Current: 8.06 Arms at 120Hz and 85 Degree C

Load Life: after 10,000 hours application of W.V. at 85 $^{\circ}\text{C}$ , the capacitor shall meet the following:

- 1) Capacitance change:  $\leq \pm 10\%$
- 2) ESR  $\leq 200\%$  of initial ESR value
- 3) Leakage Current:  $\leq$  initial specified value

Drawn by: (Supertech)

Sally Hsu



Approved By: (Customer)