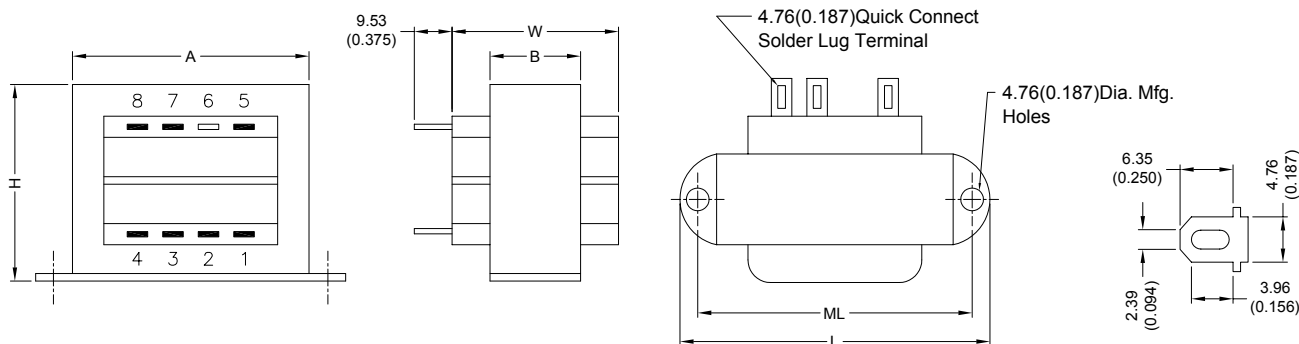


# POWER TRANSFORMER

## DCS3-48 (F) SERIES

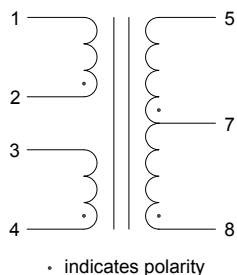
### 1. CONFIGURATION & DIMENSIONS :



UNIT : mm (inch)

| SIZE | VA  | L                | W                | H                | A                | B                | ML              | gram   |
|------|-----|------------------|------------------|------------------|------------------|------------------|-----------------|--------|
| 3    | 2.4 | 52.40<br>(2.063) | 27.00<br>(1.063) | 30.18<br>(1.188) | 41.28<br>(1.625) | 14.30<br>(0.563) | 44.45<br>(1.75) | 113.40 |

### 2. SCHEMATIC :



### 3. ELECTRICAL CHARACTERISTICS ( @ 25°C ) :

- |                                      |                              |
|--------------------------------------|------------------------------|
| a. Primary Voltage                   | AC 115/230 V 50/60 Hz .      |
| b. No Load Primary Current           | Less Than 10mA / 15mA .      |
| c. Secondary Voltage (±5%)           |                              |
| Pin 5-8 C.T. Pin 7                   | AC 58.00 V / 58.00 V .       |
| d. Secondary Load Current            | 0.05A .                      |
| e. Full Load Primary Current         | Less Than 40mA / 25mA .      |
| f. Full Load Secondary Voltage (±5%) | 48.00V / 48.00V .            |
| Pin 5-8 C.T. Pin 7                   |                              |
| g. DC Resistance                     |                              |
| Pin 1-2                              | Primary-1 = 575 Ohm .        |
| Pin 3-4                              | Primary-2 = 750 Ohm .        |
| Pin 5-7                              | Secondary-1 = 55.80 Ohm .    |
| Pin 7-8                              | Secondary-2 = 55.80 Ohm .    |
| h. Insulation Resistance             | DC 500V 100Meg Ohm Of More . |
| i. Withstand Voltage (Hi-Pot)        | AC 2500V 60Hz 1 Minutes .    |
| j. Temperature Rise                  | Less Than 60 Deg C .         |
| k. Core Size                         | EI-35 x 13.00 m/m .          |

#### l. Turns & Wire Gauge

|           |           |         |                |         |
|-----------|-----------|---------|----------------|---------|
| Primary-1 | Pin 1-2   | 2660    | Turns Diameter | 0.08 mm |
| Primary-2 | Pin 3-4   | 2660    | Turns Diameter | 0.06 mm |
| Secondary | Pin 5-7-8 | 685 x 2 | Turns Diameter | 0.13 mm |



**RoHS Compliant**

NOTE : Specifications subject to change without notice. Please check our website for latest information.

25.02.2008



**SUPERWORLD ELECTRONICS (S) PTE LTD**

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