

## Features

- Low height of only 5.7 mm
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant\*

## Applications

- Telecom

# PT66006 - T1/CEPT/ISDN-PRI Transformer

### Electrical Specifications @ 25 °C

Turns Ratio  $\pm 2\%$

(6-4):(1-3) .....1.266:1

(6-5):(1-3) .....1:1

OCL (min.)

(1-3) .....1.2 mH at 25 °C

(1-3) .....800  $\mu$ H at -15 °C

Interwinding Capacitance (pF max.)

C<sub>ww</sub> (1-3) to (6-4) .....25

Leakage Inductance L<sub>s</sub> ( $\mu$ H max.)

100 KHz, 10 mVrms (1-3) with

(6-4) shorted .....0.51

HIPOT (pri/sec) .....1500 Vrms for 1 min.

.....1600 Vrms for 6 seconds

DCR ( $\Omega$  max.)

(1-3) .....0.6

(6-4) .....0.8

Insertion Loss (0.1-2 MHz) ....1.0 dB max.

(pin 1 and 3 connected via 75  $\Omega$ )

Return Loss (dB min.)

51 KHz-102 KHz .....-14

102 KHz - 2048 KHz .....-22

2048 KHz - 3072 KHz .....-22

Operating Temperature (°C) .....-40 to +85

Other OCL specifications available on request.

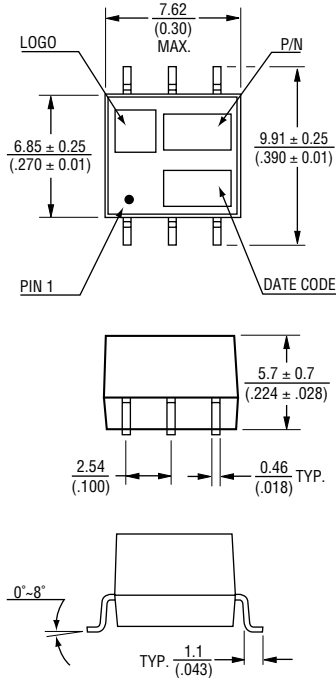
### Packaging Specifications

Tubes.....75 pcs./tube

Tape and Reel\* .....700 pcs./reel

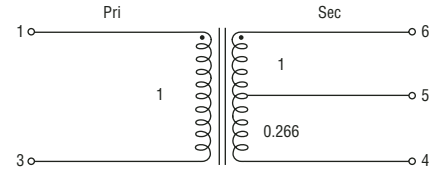
\*"E" suffix in part number designates tape & reel packaging, e.g. PT66006E.

### Product Dimensions

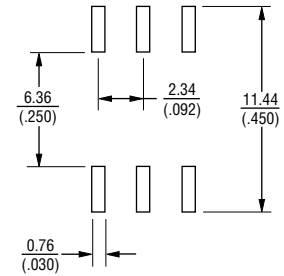


DIMENSIONS ARE:  $\frac{\text{MM}}{\text{(INCHES)}}$

### Electrical Schematic



### Recommended Layout



### How to Order

