



## Features

- High turns ratio
- Maximum primary continuous current: 300 A
- Insulation voltage: 3500 VAC
- RoHS compliant\* and halogen free\*\*

## Applications

- High frequency current sensing
- Power meters
- Motor load measurement

# PCP300-T414250S Series – Current Transformer

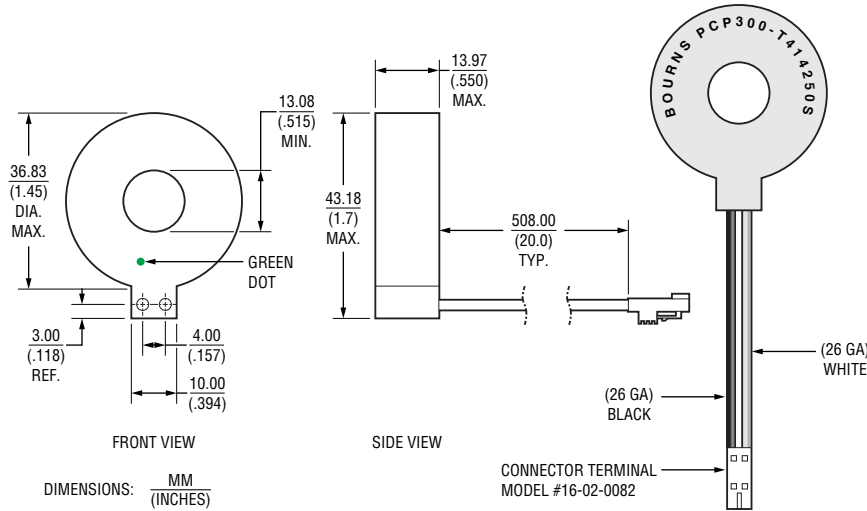
### General Specifications

Operating Temperature.....	-40 °C to +85 °C
Storage Temperature.....	-40 °C to +85 °C
Moisture Sensitivity Level.....	N/A
ESD Classification (HBM).....	N/A

### Electrical Specifications @ 25 °C

I <sub>r</sub> (A)	V <sub>max</sub> (V)	T <sub>e</sub> (Typ.)	DCR (Ω)	Frequency (Hz)
75	12	2512 T <sub>s</sub>	160 max.	20 - 1000

### Product Dimensions



### Additional Information

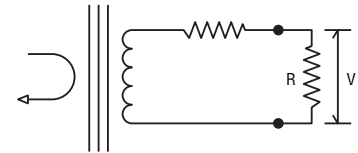
Click these links for more information:



### Materials

Core Material..... Metal Alloy Powder  
 Wire..... Enameled Copper  
 Terminal..... Cu/Sn

### Electrical Schematic

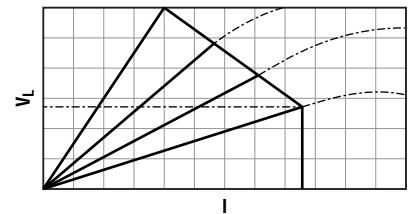


### Packaging Specifications

Inner Box (1 tray per 1 inner box)  
 Quantity..... 25 pcs.  
 Outer Carton  
 Quantity..... 100 pcs.  
 Dimensions..... 37.5 x 37 x 21 cm  
 (14.764 x 14.567 x 8.268 in.)

### Linearity

For best linearity choose R so that  
 $V < 0.8 V_L$



$$V = \frac{I \times R}{T_e} \quad V_L = V_{\max} - \left[ \frac{I \times DCR}{T_e} \right]$$

### How To Order

**PCP 300 - T 414 250 S**

Model \_\_\_\_\_  
 Maximum Primary Continuous Current \_\_\_\_\_  
 Core Type \_\_\_\_\_  
 Dimension Code \_\_\_\_\_  
 Turns Code \_\_\_\_\_  
 Internal Code \_\_\_\_\_

REV. 05/25

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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