



## 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

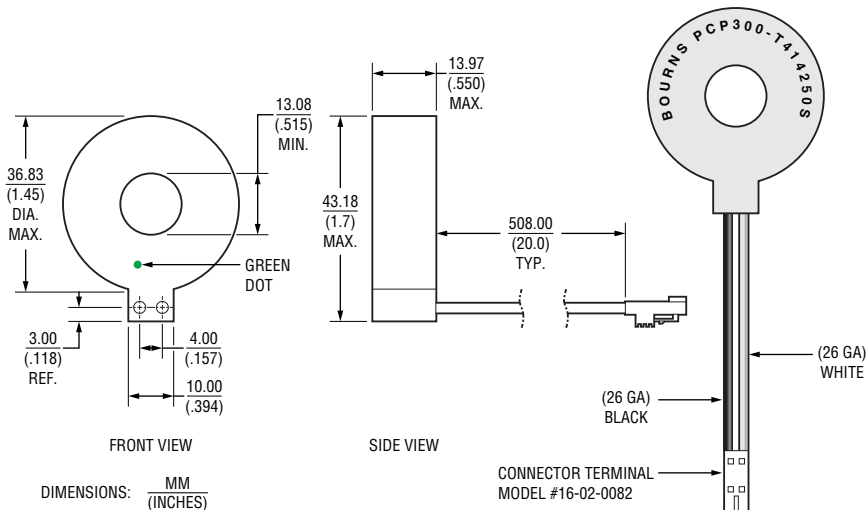
### General Specifications

|                                 |                  |
|---------------------------------|------------------|
| 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

| $I_r$ (A) | $V_{max}$ (V) | $T_e$ (Typ.) | DCR ( $\Omega$ ) | Frequency (Hz) |
|-----------|---------------|--------------|------------------|----------------|
| 75        | 12            | 2512 Ts      | 160 max.         | 20 - 1000      |

### Product Dimensions



### How To Order

PCP 300 - T 414 250 S

Model \_\_\_\_\_

Maximum Primary Continuous Current \_\_\_\_\_

Core Type \_\_\_\_\_

Dimension Code \_\_\_\_\_

Turns Code \_\_\_\_\_

Internal Code \_\_\_\_\_

### Additional Information

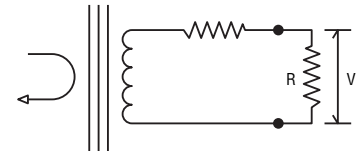
Click these links for more information:



### Materials

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

### Electrical Schematic

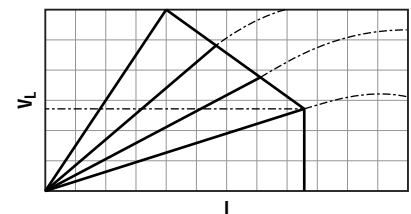


### Packaging Specifications

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  
 $V < 0.8 V_L$



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

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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