

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

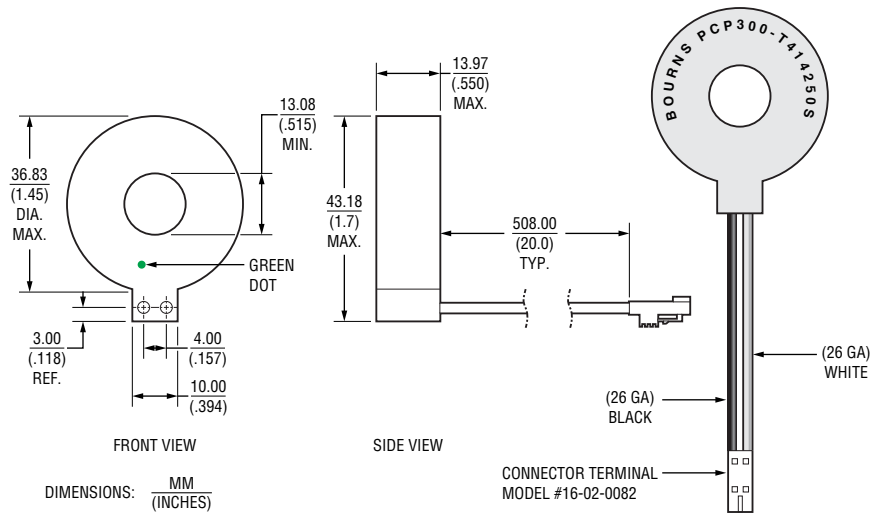
General Specifications

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)	Vmax (V)	Te (Typ.)	DCR (Ω)	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

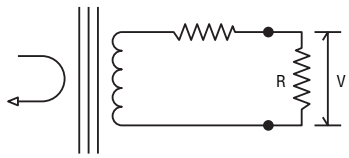
Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Materials

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

Electrical Schematic

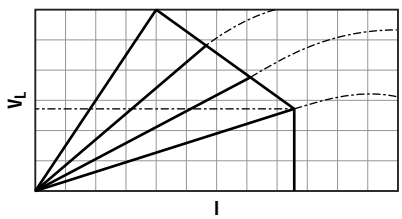


Packaging Specifications

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 VL



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

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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WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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