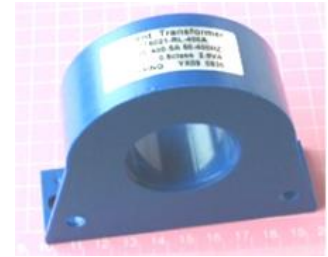


Toroidal, Panel Mounted Current Transformer

The **CTT0200** series of toroidal, panel mounted current transformers provide highly accurate, non-contact step-down transformation of the AC primary current to a level appropriate for micro-processor based circuits.

The CTT0200 features high over current measurement capability over a broad frequency range.



Features:

Rated Primary Current: Any primary current from 30A to 150A

Secondary Output:

- 0.100VAC to 5.000VAC @ Rated Current, or
- mA, standard winding ratios:
 - 1:1000, 1:2000
 - 1:3000, 1:4000, 1:5000

Specifications:

- Frequency: 50 Hz to 400 Hz
- Insulation Voltage: 600 VAC
- Dielectric Resistance: 1,000 M ohms @ 500 V_{DC}, 1 minute.
- Isolation Voltage: 2500 V_{RMS} for 1 minute, 0.5mA
- Surge withstand potential: 5000V (1.2/50 μ sec standard shock wave)
- Secondary Load Resistance:
 - mV output: \geq 100k Ohms.
 - mA output: \leq 200 Ohms.
- Operating Temperature: -40°C to +85°C

- **Primary Conductor Opening:** 20.0mm (0.79")
- Construction:
 - Core material: Silicon Steel CRGO (Cold Rolled Grain Oriented)
 - Epoxy encapsulated housing.
 - Case material – PBT resin, UL flame retardant rating 94 V-0.
- Lead Wire: .61 m (2 Ft), AWM/UL 1015 twisted Pair, 18AWG, 600v
- CE Compliant
- RoHS Compliant

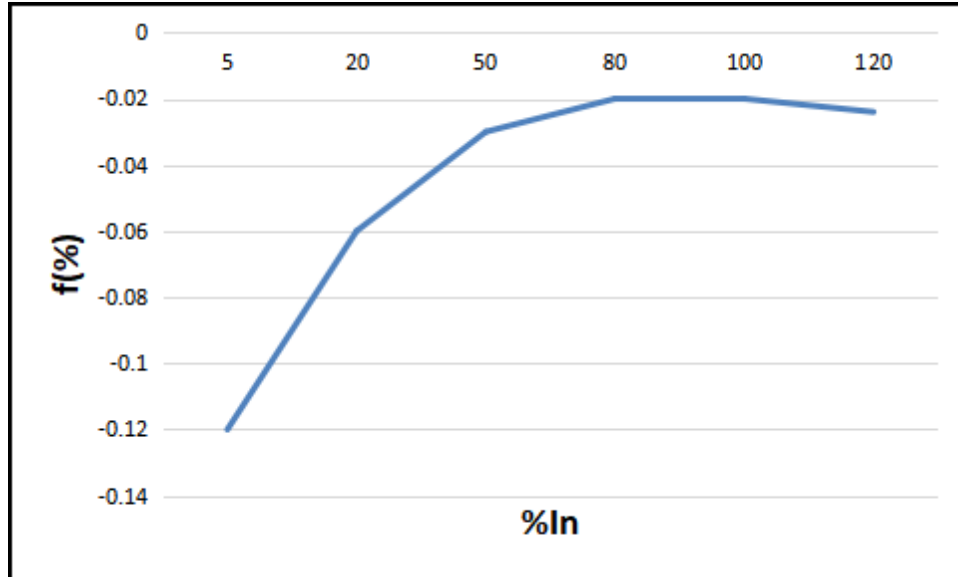


Performance:

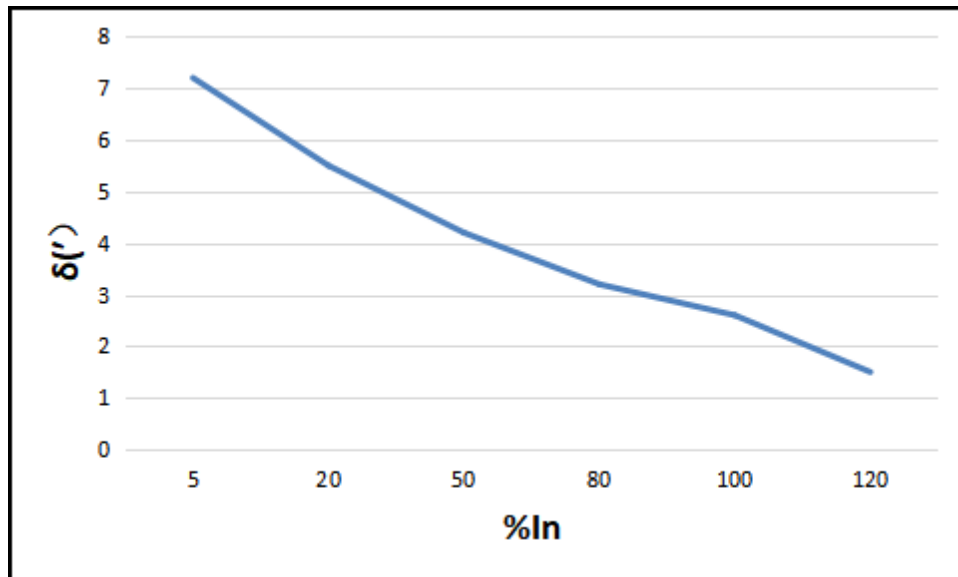
- Accuracy Class: 0.1, 0.2, 0.5 (IEC 60044-1)
- Linearity: \pm 1% from 5% to 120% of Rated Current.
- Phase Shift Error: \leq 5' @ Rated Primary Current.

Typical Performance (CTT0200-100A/ 0.333V):

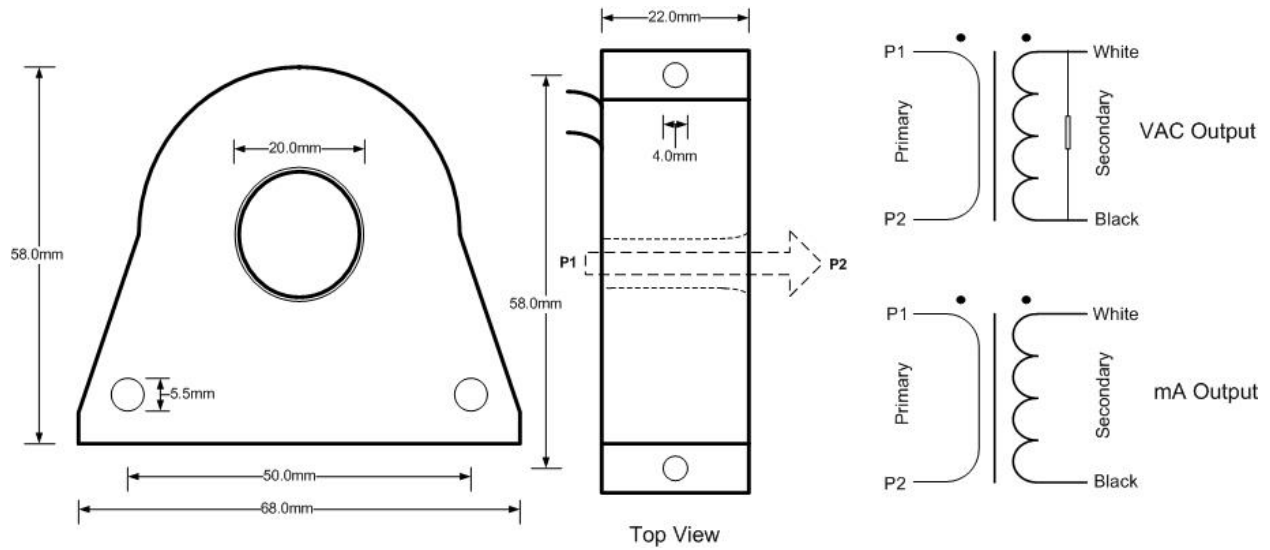
Accuracy



Phase Shift



Outline Drawing:



Custom toroidal current transformer designs are available to meet the specific application requirements. For a no obligation technical evaluation, please provide the specific performance requirements to engineering@tichenassociates.com or the address below.