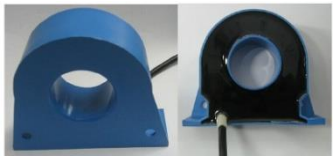
Solid-core, Toroidal Current Transformer



The **CTT0200** series of toroidal current transformers are designed for applications where a high over-current capability is a desirable feature. Typically used in 380VAC or 660VAC protection circuits, these CTs offer superior step-down transformation to typical microprocessor circuitry levels.

Features:

Rated Primary Current: Any primary current from 5A to 200A

Secondary Output:

- 0.333V to 7.07V @ Rated Current, or
- mA, standard winding ratios –
  - 1:1000, 1:2000
  - 1:3000, 1:5000

Specifications:

- Frequency: 50 to 400 Hz
- Dielectric Resistance: 1,000 M ohms @ 500 VDC
- Isolation Voltage: 2500 A_{RMS} for 1 minute, 0.5mA
- Surge withstand potential: 5,000V (1.2/50µs standard shock wave)
- Operating Temperature: -40°C to +85º C
- Rated Load Resistance:
  - mV output: ≥ 100k Ohms.
  - mA output: ≤ 200 Ohms.
- Construction:
  - Core material: Silicon Steel CRGO (cold rolled grain oriented).
  - Epoxy encapsulated housing.
  - Case material – PBT or ABS, UL flame retardant rating 94 V-0.
- Lead Wire: 0.61m (2Ft), AWM 1015, Twisted Pair, 0.34mm^2 (22AWG), 600V, WHITE/ BLACK.
- Lead Termination: Stripped & tinned.
- CE Certified
- RoHS Compliant

Performance:

- Accuracy Class: 0.2, 0.5 (IEC 60044-1)
- Linearity: ±1% from 10% to 120% of Rated Current
- Phase Shift Error: ≤ 10’
- Over load Multiple: 6 times rated primary current.

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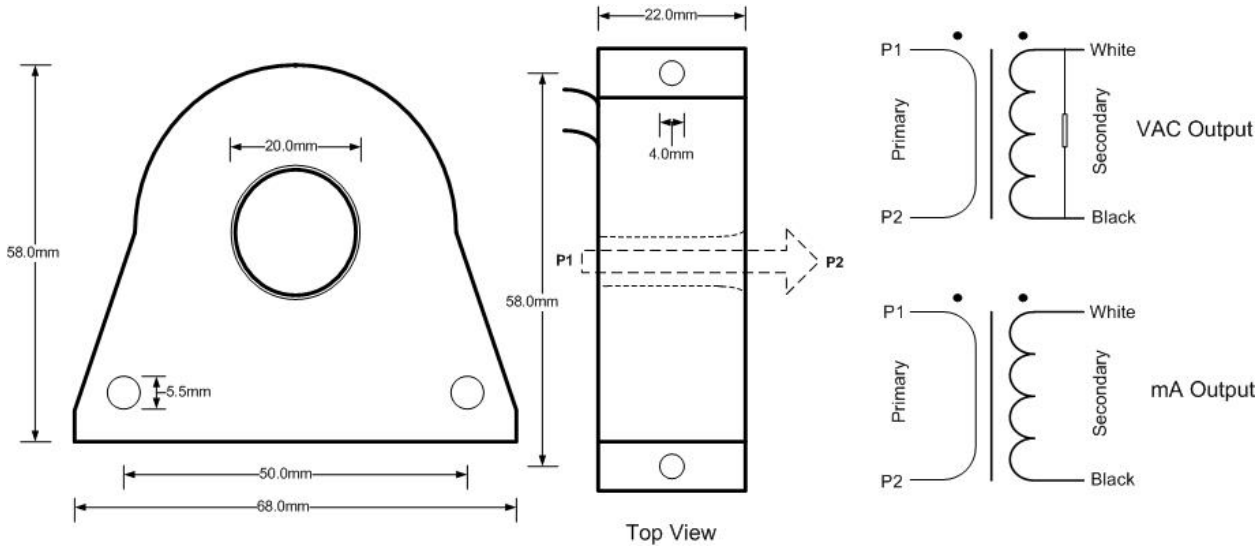
Performance Options:

Ratio	Output @ Rated Current	Accuracy Class	Over Current Multiple	Over Current Persistence Time (seconds)
1:2000	0.333V to 7.07v OR mA	0.2 0.5	6	2
1:3000				
1:4000				

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.

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