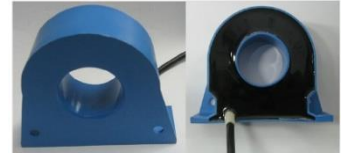


Solid-core Toroidal Current Transformer

The **CTT0350** 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 500A

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 Vrms for 1 minute, 0.5mA
- Surge withstand potential: 5,000V (1.2/50 μ s standard shock wave)
- Operating Temperature: -40°C to +85° C
- Rated Load Resistance:
 - mV output: \geq 100k Ohms.
 - mA output: \leq 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, 0.34mm² (22AWG), 600V, BLACK/WHITE.
- Lead Termination: Stripped & tinned.
- CE Certified
- RoHS Compliant



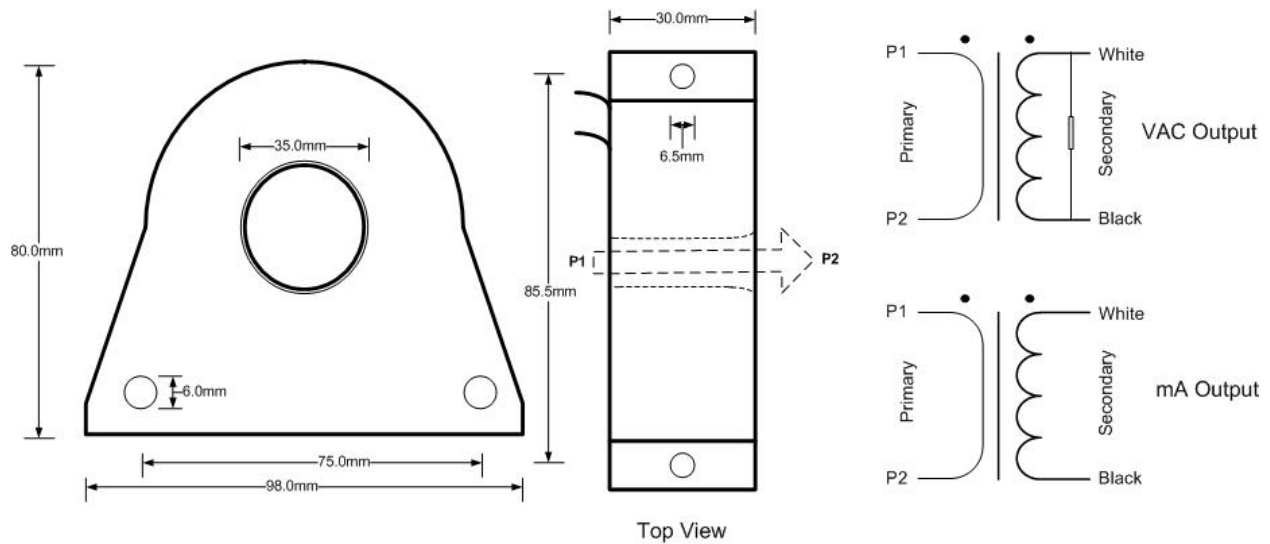
Performance:

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

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	8	2
1:4000				
1:5000				

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.