

Toroidal, Panel Mounted Current Transformer

The Shandong Yuanxing Electronics **CTT** series of toroidal, panel mounted current transformers provide highly accurate non-contact AC current measurement over a broad frequency range.



Features:

- Configurable for either an mV or mA secondary output.
- Suitable for harsh operating environments.

Specifications:

- Frequency Range: 50 to 400 Hz.
- Output:
 - mV secondary: from 0.100 VAC to 5.0 VAC at rated current
 - OR**
 - mA secondary:
 - 1:1000,
 - 1:2000,
 - 1:3000,
 - 1:5000
- Insulation Voltage: 600 VAC
- Dielectric Resistance: 1,000 M ohms @ 500 VDC
- Isolation Voltage: 2500 V_{RMS} for 1 minute, 0.5mA
- Surge withstand potential: 5,000V (1.2/50 μ s standard shock wave)
- Rated Load Resistance:
 - mV output: \geq 100k Ohms.
 - mA output: \leq 200 Ohms
- Operating Temperature: -40°C to +85°C



- Construction:
 - Core material: Silicon steel CRGO.
 - Case: ABS or PBT, UL flame retardant rating 94V-0
 - Epoxy encapsulated.
- Leads: .61 m (2 Ft), AWM/UL 1015 twisted Pair, 0.34mm² (22AWG), 600v
- CE Certified.
- UL Recognition Certification (E466650) 
- RoHS compliant 

Performance:

- Accuracy Class: 0.1, 0.2, 0.5 (IEC60044-1)
- Linearity: \pm 1% from 10% to 120% of Rated Current
- Phase Shift Error: \leq 10'
- Over load Multiple: 6 times rated primary current.
- Over Current Persistence Time - 2 seconds.

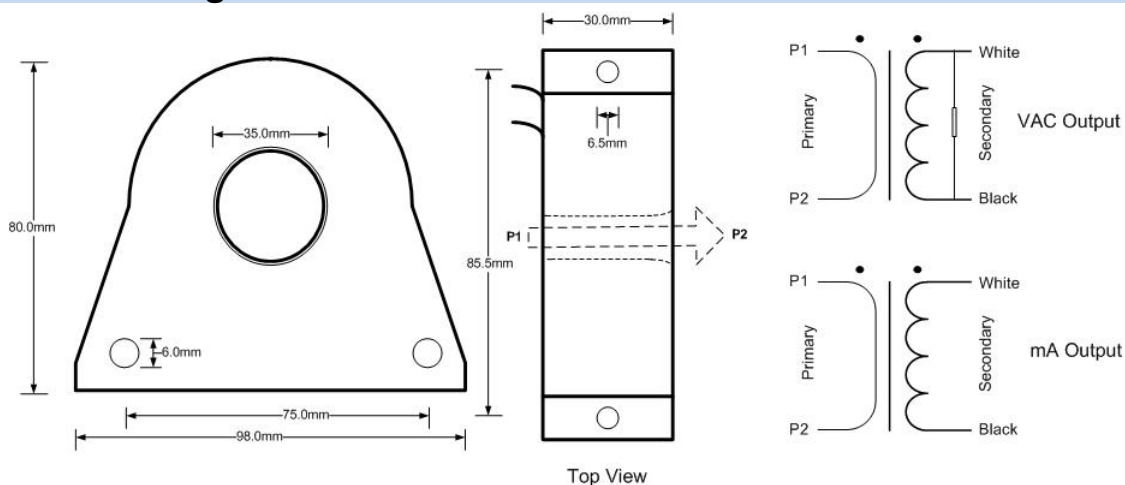
Models:

Part Number	Rated (Amp)	MAX (amp)	Opening (mm/in)
CTT0150-xxxx/yyy (UL E466650)	5A to 150A	180A	15.0/0.59"
CTT0200-xxxx/yyy	5A to 200A	240A	20.0/ 0.79"
CTT0250-xxxx/yyy	5A to 250A	300A	25.0/0.98"
CTT0350-xxxx/yyy (UL E466650)	5A to 500A	600A	35.0/1.38"
CTT0450-xxxx/yyy	5A to 500A	600A	45.0/1.77"
CTT0550-xxxx/yyy (UL E466650)	100A to 800A	960A	55.0/2.17"
CTT0720-xxxx/yyy (UL E466650)	100A to 1000A	1200A	72.0/2.83"

Note: "Max. Amps" is the highest continuous current that the CT can handle without being damaged.

The suffix "-xxxx" is the rated primary current in ampere. The "yyy" is the secondary output at rated primary current.

Outline Drawing CTT0350:



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.