

## Toroidal Current Transformer

### Features:

Seven (7) Standard Sizes:

- CTT1611 – 16.3mm (0.64") opening,
- CTT2511 – 25.4mm (1.00") opening,
- CTT3911 – 39.6mm (1.56") opening,
- CTT5211 – 52.3mm (2.06") opening,
- CTT6311 – 63.5mm (2.50") opening,
- CTT8211 – 82.6mm (3.25") opening,
- CTT1A11 – 108.0mm (4.25") opening.

Four (4) configuration options:

- **L** – Wire leads,
- **T** – Terminals,
- **LC** – Wire leads and mounting plate,
- **LT** – Terminals and mounting plate.

### Specifications:

- Frequency: 50 to 400Hz
- Maximum operating voltage: 600VAC.
- Isolation voltage 10k VAC for 1 minute.
- Operating Temperature: -25°C to +55° C  
Optional: -40°C to +85° C
- Construction:
  - Epoxy encapsulated housing
  - Case material: PBT or ABS
  - Wire Leads: 0.61m (2Ft), UL 1015,  
Twisted Pair, 0.34mm<sup>2</sup> (22AWG).



- CE Approved
- RoHS compliant.



### Performance:

- Accuracy Class: 0.1, 0.2, 0.5, 1.0, 3.0 (IEC 60044-1)
- Accuracy:  $\leq \pm 0.1\%$  @ Rated Current
- Phase shift:  $\leq 10'$  @ Rated Current
- Linearity: 5% to 120% of Rated Current

### Options:

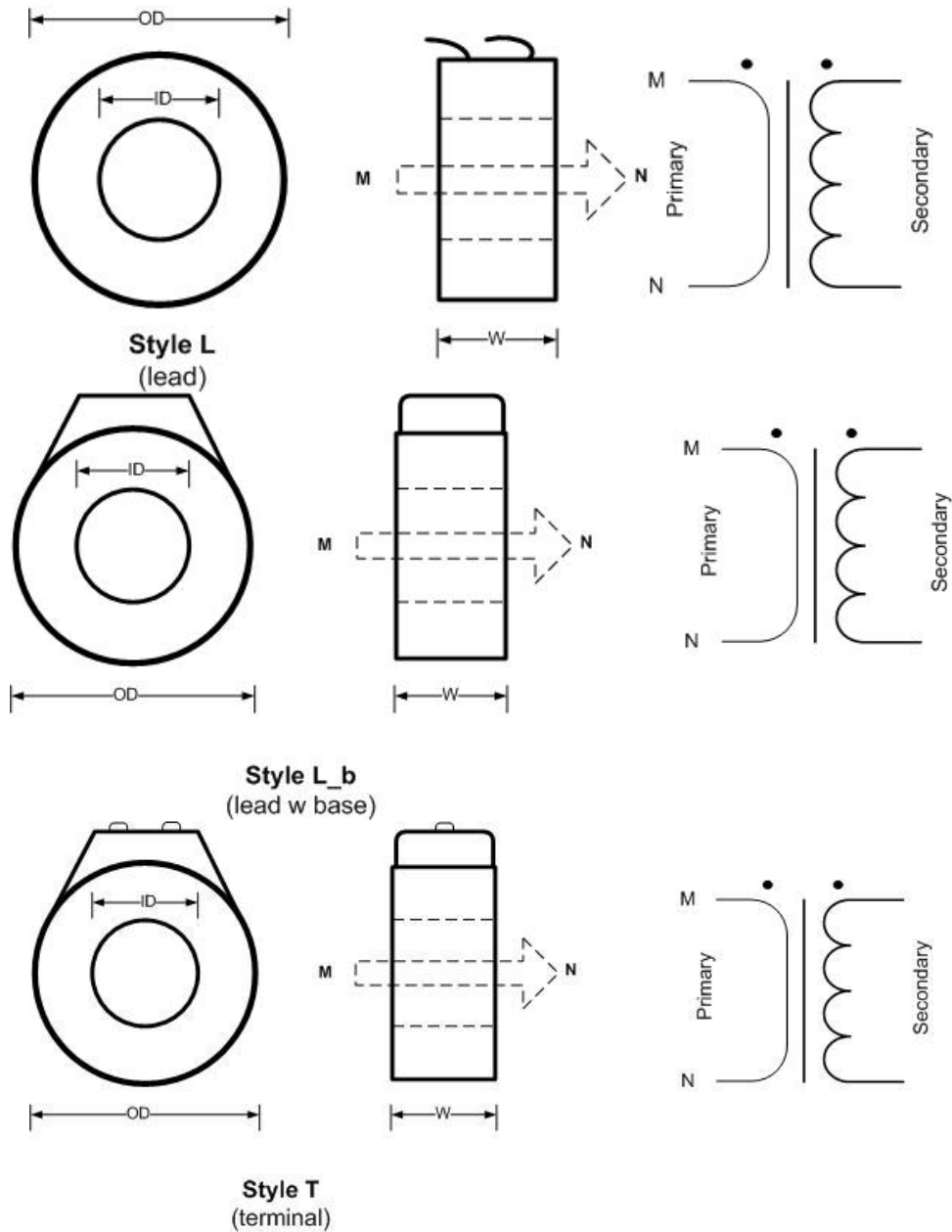
- Optional primary to secondary ratios:
  - xxxx to 1A at rated current,
  - xxxx to 5A at rated current,
  - xxxx to 0.2A at rated current,
  - xxxx to 0.1A at rated current.
- **Optional:** Polyester film covering in lieu of case.

**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](mailto:engineering@tichenassociates.com) or the address below

### Configuration Options:

Ratio	Secondary Burden Impedance				
	2.5VA	5.0VA	12.5VA	22.5VA	50.0VA
200:5	1.0	1.0	-	-	-
250:5	1.0	1.0	-	-	-
300:5	0.5	0.5	1.0	3.0	-
400:5	0.5	0.5	1.0	1.0	3.0
500:5	0.2	0.2	0.5	1.0	3.0
600:5	0.2	0.2	0.5	0.5	1.0
750:5	0.2	0.2	0.2	0.2	0.5
800:5	0.2	0.2	0.2	0.2	0.5
1000:5	0.2	0.2	0.2	0.2	0.5
1200:5	0.2	0.2	0.2	0.2	0.5
1500:5	0.2	0.2	0.2	0.5	0.5
1600:5	0.2	0.2	0.2	0.5	0.5
2000:5	0.2	0.2	0.2	0.2	0.2
2500:5	0.2	0.2	0.2	0.2	0.2
3000:5	0.2	0.2	0.2	0.2	0.2
3500:5	0.2	0.2	0.2	0.2	0.2
4000:5	0.2	0.2	0.2	0.2	0.2

**Outline Drawing:**



	ID	OD	W	D	F	G
L	108.0mm	171.5mm	31.7mm			
T	(4.25")	(6.75")	(1.25")			