

CT02 Series Current Sense Transformer



Features

- ◆ Smallest Footprint
- ◆ Hi-Pot tested at 1,500VAC
- ◆ Current Ratings to 18A
- ◆ Patent Pending

Applications

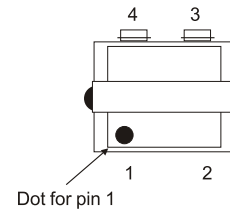
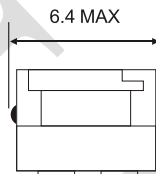
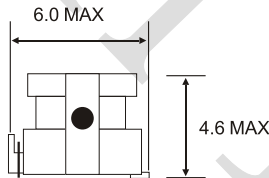
- ◆ DC/DC Converters
- ◆ AC/DC Converters
- ◆ POL Converters

Packaging diameter: 13" ,reel width: 16mm,pieces/reel:1000

Mechanical

Side View

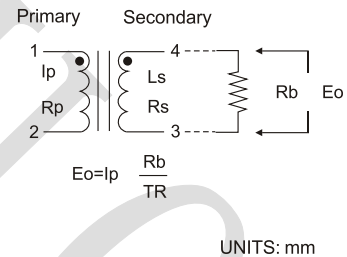
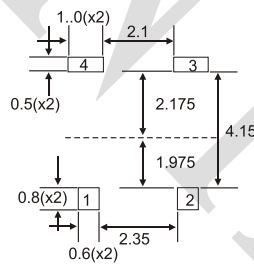
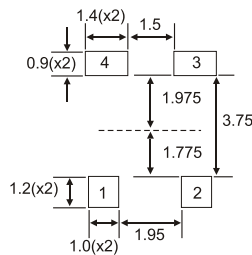
Top View



Recommended PCB Layout

Footprint

Schematic



Electrical Specifications

Part No	Turns Ratio (TR)	E-T pPRODUCT (V-us)	Rp Ohms, ref.	Ls ¹ (mH,min.)	Rs ² (Ohms,max)	Current Rating ⁵ (Apk)	Burden(Rb) Ohms	HiPot (Vac)	Frequency Range
CT02-050	1:50	4.0	0.008	0.44	0.85	15.0	50	1500	0.10-2.0MHz
CT02-110	1:100	8.0	0.008	1.80	4.80	18.0	100	1500	0.10-2.0MHz
CT02-150	1:150	12.0	0.008	4.00	15.00	18.0	150	1500	0.10-2.0MHz
CT02-200	1:200	16.0	0.008	7.10	25.00	18.0	200	1500	0.10-1.0MHz
CT02-250	1:250	20.0	0.008	11.10	37.20	18.0	250	1500	0.10-1.0MHz

Notes:

1. Tested at 10 kHz,0.1Vrms.
2. Electrical specifications at 25°C
3. Operating range: -40°C to 130°C. This is a combination of ambient plus temperature rise.
4. Meets UL 94V-0.
5. Peak current (50% duty cycle) through primary (1-2)to cause 40°C temperature rise at 25°C ambient with recommended burden resistance (Rb) connected to secondary (3-4).
6. All products are RoHS-compliant.