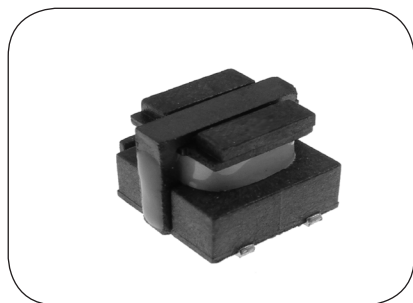


CT06 Series

Current Sense Transformer



Features

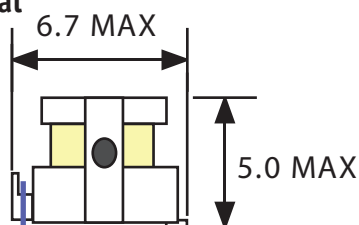
- Small Footprint
- Hi-Pot tested at 1,500 VAC
- Current Ratings to 18A
- Patent Pending
- Meets basic creepage

Applications

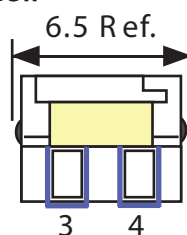
- DC/DC Converters
- AC/DC Converters
- POL Converters

Packaging: Reel dia: 13", Carrier width: 16mm, Pcs/reel: 1,000, Reel per carton: 10

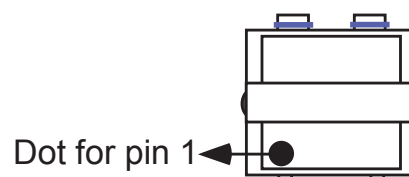
Mechanical



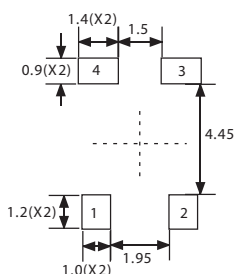
Side View



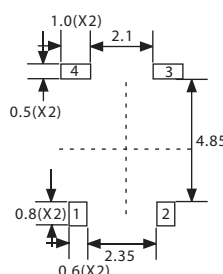
Top View



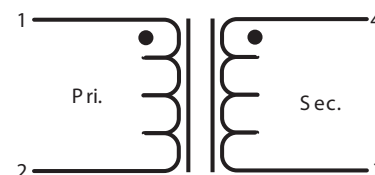
Recommended PCB layout



Footprint



Schematic



units: mm

Electrical Specifications

Part No.	Turns Ratio	E-T Product (V-μs)	Ls ¹ (mH, min.)	Rs ² (Ω, max.)	Current Rating ⁵ (A)	Hi-Pot (V _{AC})
CT06-050	1:50	27	0.35	1.3	18.0	1500
CT06-100	1:100	54	1.4	4.8	18.0	1500
CT06-150	1:150	81	3.15	15.2	18.0	1500
CT06-200	1:200	110	5.6	25.0	18.0	1500
CT06-250	1:250	135	8.75	37.2	18.0	1500

Notes:

1. Tested at 10kHz, 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. DC current through primary, plus turns-ratio-divided DC current through secondary winding, to cause a 40°C temperature rise at 25°C ambient.
6. Meets RXT-2 Class F Insulation System (E169423).



Specifications subject to change without notice.

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ICE Components:

[CT06-150](#) [CT06-050](#) [CT06-200](#) [CT06-100](#) [CT06-250](#)