

CT02 Series Current Sense Transformer



Features

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

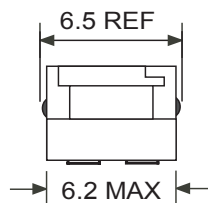
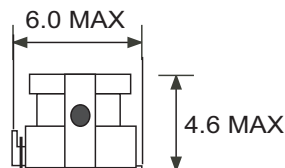
Applications

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

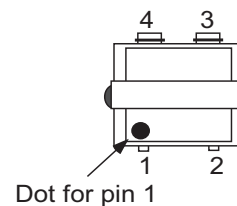
Packaging: Reel diameter: 13", Reel width: 16mm, Pieces/reel: 1000

Mechanical

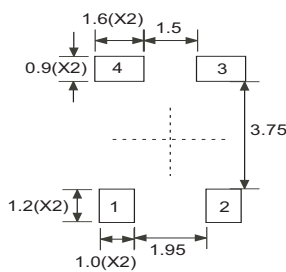
Side View



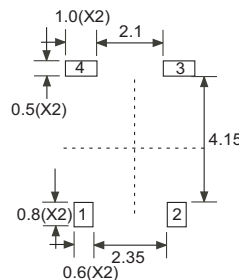
Top View



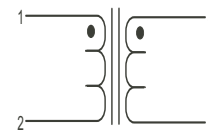
Recommended PCB layout



Footprint



Schematic



units: mm

Electrical Specifications

| Part No. | Turns Ratio | E-T Product (V- μ s) | Ls ¹ (mH, min.) | Rs ² (Ω , max.) | Current Rating ⁵ (A) | Hi-Pot (V _{AC}) |
|----------|-------------|-----------------------------|-------------------------------|---------------------------------------|------------------------------------|------------------------------|
| CT02-050 | 1:50 | 4.0 | 0.44 | 1.25 | 15.0 | 1500 |
| CT02-100 | 1:100 | 8.0 | 1.8 | 4.8 | 18.0 | 1500 |
| CT02-150 | 1:150 | 12.0 | 4.0 | 15.0 | 18.0 | 1500 |
| CT02-200 | 1:200 | 16.0 | 7.1 | 25.0 | 18.0 | 1500 |
| CT02-250 | 1:250 | 20.0 | 11.1 | 37.2 | 18.0 | 1500 |
| CT02-300 | 1:300 | 24.0 | 15.0 | 55.0 | 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. All products are RoHS-compliant.



Specifications subject to change without notice.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Current Transformers](#) category:

Click to view products by [ICE](#) manufacturer:

Other Similar products are found below :

[L595100](#) [ACST-260](#) [AKW4802C](#) [MP3500](#) [L595050](#) [E54CT1L](#) [CTD-KIT](#) [44021](#) [44104](#) [44176](#) [44248](#) [45041](#) [45071](#) [PA3828NL](#) [CT16-1-50A/50MA](#) [SPCT 100/60 1200/5A VA 15 CL 0.5](#) [SPCT 100/60 1000/5A VA 15 CL 0.5](#) [SPCT 100/60 600/5 A VA 7.5 CL 1](#) [SPCT 100/60 600/5 A VA 5 CL 0.5](#) [SPCT 100/60 800/5 A VA 10 CL 0.5](#) [SPCT 140/100 1200/5A VA 15 CL 0.5](#) [SPCT 140/100 1250/5A VA 15 CL 0.5](#) [SPCT 140/100 1500/5A VA 15 CL 0.5](#) [SPCT 140/100 1600/5A VA 15 CL 0.5](#) [SPCT 140/100 1000/5A VA 15 CL 0.5](#) [SPCT 140/100 2500/5A VA 15 CL 0.5](#) [SPCT 140/100 2000/5A VA 15 CL 0.5](#) [SPCT 140/100 3000/5A VA 15 CL 0.5](#) [SPCT 140/100 800/5A VA 15 CL 0.5](#) [SPCT 62/30 50/5A VA1 CL 3](#) [SPCT 62/30 60/5A VA1 CL 3](#) [SPCT 62/30 75/5A VA1 CL 3](#) [SPCT 62/30 75/5A VA3 CL 3](#) [SPCT 62/40 100/5 A VA 1 CL 1](#) [SPCT 62/40 125/5 A VA 1 CL 1](#) [SPCT 62/40 150/5 A VA 3 CL 1](#) [SPCT 62/40 160/5 A VA 1.5 CL 1](#) [SPCT 62/40 200/5 A VA 3 CL 1](#) [SPCT 62/40 250/5 A VA 2.5 CL 0.5](#) [SPCT 62/40 250/5 A VA 3 CL 1](#) [SPCT 62/40 300/5 A VA 3 CL 0.5](#) [SPCT 62/40 400/5 A VA 3.75 CL 0.5](#) [2CSM029000R1211](#) [HPT205NBJ-1](#) [HCT204KFH](#) [HCT20K-QD](#) [HPT205A/F](#) [HCT-1\(80\)AH](#) [HCT916HBT-1W](#) [CT100A](#)