

# CT01 Series SMT Current Sense Transformer



## Features

- Low Profile
- Full Selection of Turns Ratios
- Primary Rated for 10A
- Frequency Range up to 1MHz
- Suitable for Pick And Place Applications
- Withstands Solder Reflow

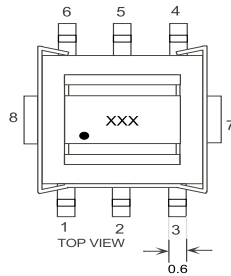
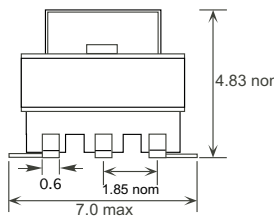
## Applications

- DC/DC Converters
- AC/DC Converters

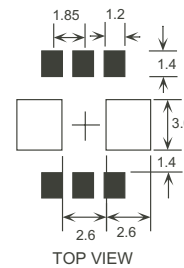
## Packaging

- Reel Diameter: 13"
- Reel Width: 16mm
- Pieces Per Reel: 1000

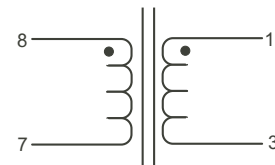
## Mechanical



## Recommend PCB Layout



## Schematic



## Electrical Specifications

Part Number	Turns Ratio	$L_s^1$ ( $\mu$ H, min.)	$R_s$ ( $\Omega$ , max.)	Terminating <sup>5</sup> Resistor ( $\Omega$ )	Hi-Pot
CT01-020-R	1:20	102	0.40	3.33	500
CT01-030-R	1:30	230	0.60	5.00	500
CT01-040-R	1:40	408	0.80	6.67	500
CT01-050-R	1:50	638	1.50	8.33	500
CT01-060-R	1:60	920	1.70	10.00	500
CT01-070-R	1:70	1250	3.10	11.67	500
CT01-100-R	1:100	1680	5.50	16.67	500
CT01-125-R	1:125	2620	6.50	20.83	500
CT01-200-R	1:200	6700	35.00	33.33	500

1. Tested @ 10kHz, 0.1Vrms.
2. Electrical specifications at 25°C.
3. Operating temperature range: -40°C to +130°C.
4. Meets UL 94V-0.
5. Terminating resistor for 1 volt out with 6 Amps AC flowing through the primary.

