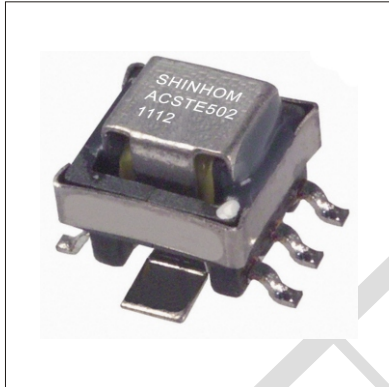


# ACST – E50 Series SMT Current Sense Transformer



## Features

- ◆ Low Profile
- ◆ Full Selection of Turns Rstios
- ◆ Primary Rated for 10A
- ◆ Frequency Range up to 1MHz
- ◆ Suitable for PickAnd Place Applications
- ◆ Withstands SolderReflow

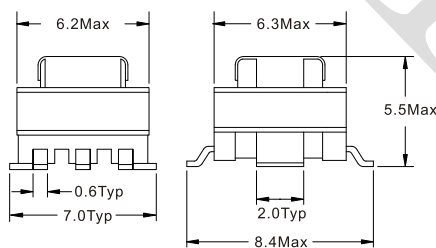
## Packaging

- ◆ Reel Diameter: 13”
- ◆ Reel Width: 16mm
- ◆ Pieces Per Reel: 1000

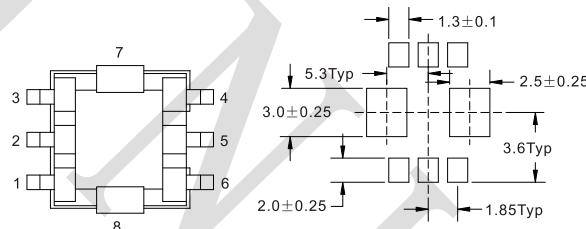
## Applications

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

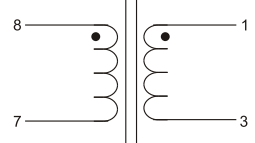
## Mechanical



## Recommend PCB Layout



## Schematic



## Electrical Specifications

Part Number	Turns Ratio	LS <sup>1</sup> ( $\mu$ H, min.)	Rp (m $\Omega$ , max.)	Rs ( $\Omega$ , max.)	Terminating <sup>5</sup> Resistor ( $\Omega$ )	Hi-Pot
ACST-E501	1:20	102	6	0.40	3.33	500
ACST-E502	1:30	230	6	0.60	5.00	500
ACST-E503	1:40	408	6	0.80	6.67	500
ACST-E504	1:50	638	6	1.50	8.33	500
ACST-E505	1:60	920	6	1.70	10.00	500
ACST-E506	1:70	1250	6	3.10	11.67	500
ACST-E507	1:100	1680	6	5.50	16.67	500
ACST-E508	1:125	2620	6	6.50	20.83	500
ACST-E509	1:200	6700	6	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 6Amps AC flowing through the primary.