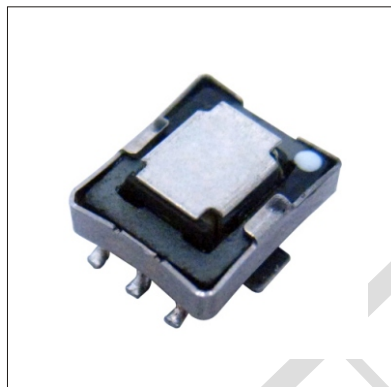


# ACST – E57 Series SMT Current Sense Transformer



## Features

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

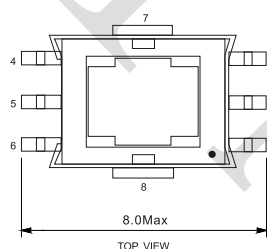
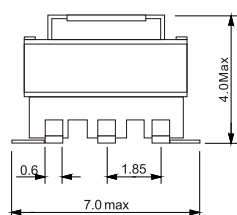
## Packaging

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

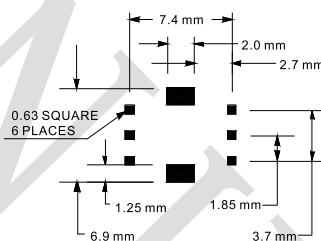
## Applications

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

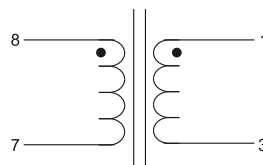
## Mechanical



## Recommend PCB Layout



## Schematic



## Electrical Specifications

| Part Number | Turns Ratio | Ls <sup>1</sup><br>(μ H,min.) | Rp<br>(mΩ ,max.) | Rs<br>(Ω ,max.) | Terminating <sup>5</sup><br>Resistor (Ω ) | Hi-Pot |
|-------------|-------------|-------------------------------|------------------|-----------------|-------------------------------------------|--------|
| ACST-E571   | 1:20        | 102                           | 5                | 0.40            | 3.33                                      | 500    |
| ACST-E572   | 1:30        | 230                           | 5                | 0.60            | 5.00                                      | 500    |
| ACST-E573   | 1:40        | 408                           | 5                | 0.80            | 6.67                                      | 500    |
| ACST-E574   | 1:50        | 638                           | 5                | 1.50            | 8.33                                      | 500    |
| ACST-E575   | 1:60        | 920                           | 5                | 1.70            | 10.00                                     | 500    |
| ACST-E576   | 1:70        | 980                           | 5                | 3.10            | 11.67                                     | 500    |
| ACST-E577   | 1:100       | 1680                          | 5                | 5.50            | 16.67                                     | 500    |
| ACST-E578   | 1:125       | 2620                          | 5                | 6.50            | 20.83                                     | 500    |
| ACST-E579   | 1:200       | 6700                          | 5                | 35.00           | 33.33                                     | 500    |

1.Tested @10kHz,0.1Vrms.

2.Eledrical specifications at 25℃.

3.Operating temperature range:-40℃ to +130℃.

4.Meets UL 94V-0.

5.Terminating resistor for 1 voltbut with 6Amps AC flowing through the primary.