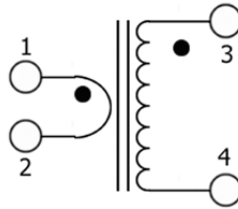
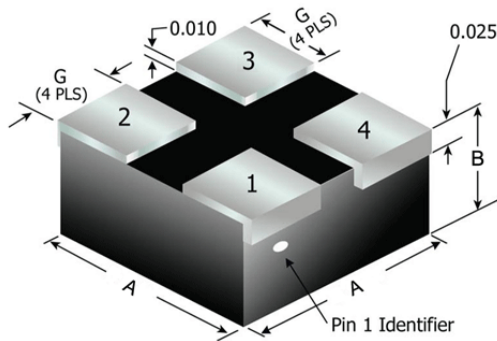


Current Transformer (Square Package)



| Physical Parameters | | | | |
|---------------------|--------------|--------------|--------------|--------------|
| | SCTS100 | SCTS200 | SCTS300 | SCTS400 |
| A | 0.250 ± .010 | 0.400 ± .010 | 0.400 ± .010 | 0.525 ± .010 |
| B | .230 Max | .230 Max | .310 Max | .310 Max |
| G | .085 | .135 | .135 | .200 |
| WT | 0.6 g | 1.5 g | 2.8 g | 4.1 g |

| Tape & Reel (additional charge) | | |
|------------------------------------|------------------|------------------|
| Package | Small Reel (Qty) | Large Reel (Qty) |
| SCTS100 | 300 | 1000 |
| SCTS200 | 200 | 650 |
| SCTS300 | 200 | 650 |
| SCTS400 | 125 | 300 |

FEATURES

- Leadless device for minimum footprint
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package types

SPECIFICATIONS

- Operating temperature range: -55°C to 125°C
- Temperature rise at rated DC current is less than 30°C
- Inductance tested at 10 kHz
- Dielectric Withstanding Voltage: 500 VAC
- Moisture, Shock, and Immersion Resistant
- Resistance to Soldering Heat: 265°C for 10 sec
- Terminations: 90/10 Tin/Lead Plating
- Welded Connections, Transfer Molded Package
- Outgassing meets NASA spec SP-R-0022A: TML < 1%
- Meets the requirements of MIL-PRF-27 and MIL-STD-981, class S or class B
 - Class S parts are intended for critical flight and mission-essential ground support applications and any application that is critical to safety.
 - Class B parts are for use in noncritical flight and non-mission-essential ground support applications.

Part or Identifying Number (PIN):

SCTSxxxS: MIL-STD-981, Class S

SCTSxxxB: MIL-STD-981, Class B

| Part Number | Current Peak Max (A) | Volt-Sec Min (v-µsec) | DCR Max (Ω) | Inductance Reference (mH) | Turns Ratio |
|-----------------------|----------------------|-----------------------|-------------|---------------------------|-------------|
| SCTS100 Series | | | | | |
| SCTS101 | 5 | 20 | 0.85 | 2.80 | 1 : 50 |
| SCTS102 | 5 | 20 | 1.20 | 5.70 | 1 : 100 |
| SCTS103 | 5 | 40 | 5.60 | 23.00 | 1 : 200 |
| SCTS200 Series | | | | | |
| SCTS201 | 10 | 40 | 1.20 | 4.40 | 1 : 50 |
| SCTS202 | 10 | 40 | 1.50 | 8.90 | 1 : 100 |
| SCTS300 Series | | | | | |
| SCTS301 | 20 | 40 | 1.20 | 4.40 | 1 : 50 |
| SCTS302 | 10 | 80 | 7.90 | 35.00 | 1 : 200 |
| SCTS400 Series | | | | | |
| SCTS401 | 20 | 144 | 2.90 | 21.00 | 1 : 100 |
| SCTS402 | 20 | 288 | 6.00 | 85.00 | 1 : 200 |



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