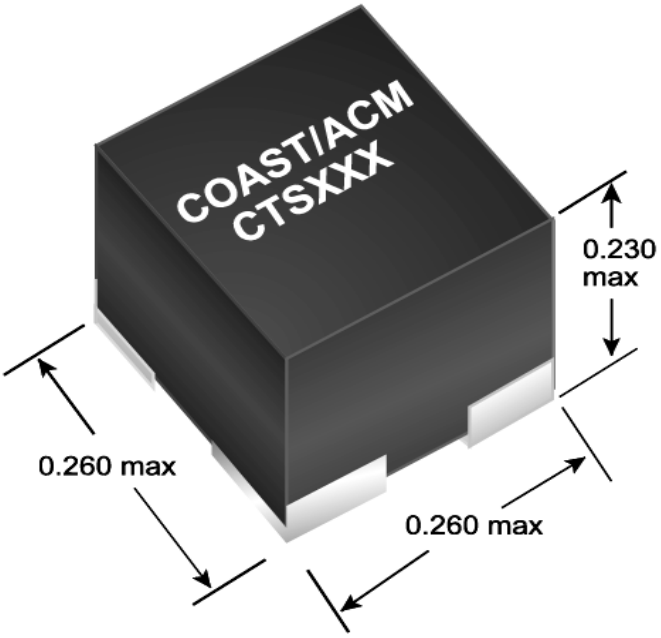
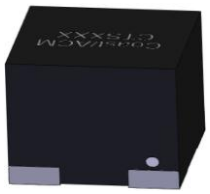
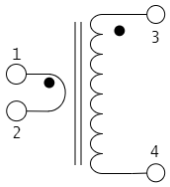
Current Transformers – CTS100 Series





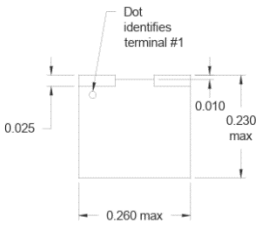
BACK-SIDE VIEW



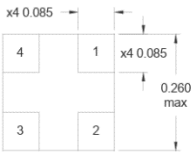
IN	MM
0.290	7.37
0.260	6.60
0.230	5.84
0.185	4.70
0.105	2.67
0.085	2.16
0.025	0.64
0.010	0.25

MIL-PRF-27

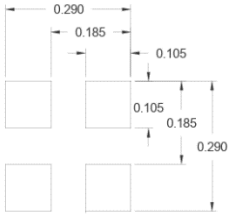
SIDE VIEW



BOTTOM VIEW



RECOMMENDED MOUNTING PAD CIRCUIT SIDE



SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- Inductance measured at 10 kHz
- **Standard Termination Finish:** Tin-lead
- **Weight:** 35.4 gram, maximum
- **Dielectric Withstanding Voltage:** 500 Vac
- **Glass Transition Temperature (T_g):** 165°C
- **Coefficient of Thermal Expansion (CTE):**
  - Before T_g 18 ppm/°C
  - After T_g 54 ppm/°C

FEATURES

- Transfer Molded Package
- Marking: Laser or Ink
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Tape and Reel Packaging available (additional charge)
  - Full Reel Quantity (Small): 125 pieces
  - Full Reel Quantity (Large): 300 pieces
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package type
- Available for Space Application per MIL-STD-981 (see SCMS400 Series)

APPLICATIONS

Designed to meet the requirements of MIL-PRF-27, ensuring optimal performance in military-grade applications

This specification pertains to molded, shielded electrical connectors and accessories, emphasizing reliability and robustness. Ideal for aerospace and defense applications, these inductors offer both durability and precision.

PART IDENTIFYING NUMBER

CTS001

Coast/ACM Part Number

K: Inductance Tolerance

M: ±20% K: ±10% J: ±5%

Current Transformers – CTS100 Series

Part Number	Current Peak Max (A)	Volt-Sec Min (v-µsec)	DCR Max (Ω)	Inductance Reference (mH)	Turns Ratio
CTS101	5	20	0.85	2.80	1 : 50
CTS102	5	20	1.20	5.70	1 : 100
CTS103	5	40	5.60	23.00	1 : 200