

Setting CTT apart from other amplifier manufacturers is our unique spectrum of Custom Engineered Options (CEOs) that can be readily integrated within most package formats. These options are available on all of CTT's standard amplifier products. Contact CTT for your specific application requirements.



CTT has developed a high-reliability capability for microwave products. With a product base featuring reliable GaAs and GaN devices, circuits, processes and manufacturing know-how CTT is capable of meeting stringent hi-rel requirements

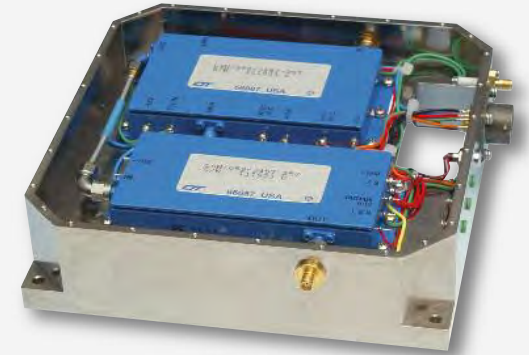
CTT offers military testing and screening in accordance with MIL-PRF-38534 Class K and Class H.

Unless otherwise specified by the customer CTT builds, tests and inspects its products to commercial/industrial standards.



Custom Engineered Options (CEOs)

- ▶ DC–DC Converters, AC–DC Converters
- ▶ TTL Control
- ▶ Samplers, Couplers and Detectors
- ▶ Heat Exchangers (conduction, convection, forced air or liquid)
- ▶ Waveguide Inputs / Outputs
- ▶ Engineering Optimization and Testing for Low Phase Noise (-160 dBc/Hz @ 10 MHz Offset)
- ▶ Low AM/PM Conversion, Specialized Bandwidths and Specialized Wave Forms
- ▶ Solid-State Form, Fit, Functional Replacements for Many TWTAs
- ▶ Block Upconverter (BUC) Configurations
- ▶ Low-Noise Block (LNB) Downconverter Configurations



High-Reliability (High-Rel) Capability

- ▶ GaAs Epitaxial Material Based FETs and MMICs
- ▶ Multi-Level, Thin-Film Circuit Metal Technology
- ▶ Hermetic Sealing and Laser Welding Technology
- ▶ SEM and QC/QA Inspection
- ▶ AS9100 / ISO 9001 Certified Company
- ▶ Component testing consisting of bond pull and die shear
- ▶ Fine leak test, temperature cycle, acceleration, burn-in, and radiographic inspection
- ▶ Complete group A electrical testing
- ▶ Sample testing consisting of Group B, C and D as specified in MIL-PRF-38534
- ▶ Customer source inspection throughout the manufacturing process.
- ▶ Soldering workmanship: Certified IPC-610

