

Space Qualified



- Isolators and Circulators L-Band to E-Band
- RF Switches and Switch Matrices L to X Band
- Power Dividers and Combiners L to X Band
- Low Noise and Power Amps
- Gunn Oscillators
- Frequency Multipliers
- Up-Converters and Detectors
- Radio Links
- Transceivers



Renaissance Electronics Corporation (together with P&H Labs/MCCI Wireless and HXI) is a leader in the design and manufacture of S-level qualified isolators, circulators, power dividers and combiners, RF switches and switch matrices. These devices are used in payloads and earth stations for signal synthesis and routing. Renaissance is the first in the industry to produce a truly Hermetic Electromechanical SPDT switch that uses laser welding and glass to metal seals.

Renaissance Electronics has been supplying high-reliability space qualified products for leading programs such as Mars Lander, Sea Launch, ICONIS, Echostar, Astra 1K, Globalstar, PanAmSat, Telstar-8, WildBlue, IP Star, Direct TV-7, GOES, SBIRS, TDRSS, Arabsat, Turksat, Intersat VII/VIII, Ausat, Insat, Westar and Intelsat VII.

Renaissance offers innovative and unique solutions to satisfy the customers requirements. The highly talented and qualified engineering team who would assist the customer from concept to product launch, supported by a state-of-the-art design center and manufacturing facility, has been the core competency for successfully developing various technologies. The full-service laboratories perform comprehensive environmental, mechanical and electrical testing. Because of the full-fledged in-house capability, we control virtually all processes with in-house machining, fabrication, assembly and acceptance and qualification testing. Full performance characteristics at various temperatures and altitudes are available for each product. All the components are in full compliance with NASA specification NHB-5300.4.

The complete space compliance test process includes - Qualification Test Planning, Traceability and Process Controls, Acceptance Testing for In-Process, Final and Destruct Physical Analysis.

