



- Pico Filters: Up to 47.0 GHz
- Nano Filters: Up to 8.0 GHz
- Cavity Filters: Up to 50.0 GHz
- LC Filters: Up to 8.0 GHz
- Ceramic Filters: Up to 8.0 GHz
- Multiplexers: Up to 50 GHz
- Switch Filter Banks: Up to 18 GHz
- Combiners
- Couplers
- LTE Filters & Duplexer
- High Power Filter Products: Up to 30Kw
- RF Front End Assemblies



- Software controlled Switch Matrix
- Fastest switch on the market – 3 nsec
- Switch Matrixes up to 40 GHz
- High Power Pin Diode switches
- Integrated Assemblies
- Switch/Filter Matrices
- Power Dividers
- Custom designs available



- Satellite Test Equipment
- Noise/Frequency Generators
- Loop Test Translators
- Battery Powered and Outdoor Options
- Synthesizers
- Electromechanical Switches
- Passive Components
- Attenuators, Couplers, Power Dividers
- Amplifiers
- Sub-Assemblies



- Frequency range up to 90 GHz
- Solderless flexible semi-rigid replacement cable
- Solderless Field terminated cable assembly
- Lightning Protectors and Limiters
- Jamming Antennas
- Tunable Phase Shifters
- Low Noise RF over Fiber converters up to 40 GHz
- GPS over fiber, power over fiber 1-3 watts
- LAN over Fiber 1/6/12 Channels, 1 Gbps
- Fiber Optic Cable Assemblies, SM/MM
- TFOCA + Expanded beam connectors
- Optical Delay Lines



- Ultra-low insertion loss- lower than comparable solid-state solutions
- High-Linearity: >+85 dBm IP3
- Broadband: From DC to > 30 GHz+
- High-Power Handling: >100 W (CW)
- Hot-switch Capable
- High voltage switches
- RF tuning products
- High power RF switches
- AC/DC smart power relays
- Low-Power: pA of drive current



- Probe Station For Life Modular Upgrade Program
- Manual, Semi-Automatic and Automatic solutions
- MEMS, NEMS and MOEMS
- RF/MW/mmW
- High Power Solutions
- Optoelectronics
- Failure Analysis/Device Characterization



- Amplified Radio Systems – increase distance/bandwidth of OEM radios
- Cube Sat Amplifiers with decades of space heritage
- SWaP Custom Amplifiers with Wide bandwidth
- Bi-Directional Amplifiers
- Rack Mount and Benchtop Amplifiers
- EW, ISR Data links, Multi-Function Amplifiers



- Power Dividers/Combiners - Stripline, microstrip, and lumped element
- Circulators/Isolators - Drop-in, SMT, bespoke, & waveguide
- Hybrid Couplers
- U.S. Made - ISO/AS9100 Certified
- COTS/Stock parts in 1 week
- Custom parts in 6 weeks
- 0.1 - 65 GHz Operating Frequencies



- Identification Shrink Tag Markers & Self-Laminating labels
- Wire Harness Protection Products
- Multipin Circular & Rectangular Connectors
- Fasteners, Bundling Solutions, & Tapes
- Wire & Cable
- Just In Time delivery capabilities
- ISO 9001 & AS 9100 Certified
- DBE Certified



- Ultra-Miniature Surface-Mount & Leaded Oscillators
- Extreme Shock Survivability – up to 100,000 g
- Low Phase Noise & Jitter (as low as 75 fs rms)
- High-Temperature Operation: –55 °C to +125 °C (up to +225 °C available)
- Radiation-Tolerant Designs (Swept Quartz / 30 kRad Si TID)
- Hermetically-Sealed Ceramic Packages
- MIL-PRF-55310 & MIL-PRF-3098 Qualified
- U.S. Design & Manufacture – Full Traceability
- Applications: Smart Munitions, UAVs, Guidance & Navigation, Telemetry, Tactical Comms, Space Systems



- Ultra-low g-sensitivity: $\leq 7 \times 10^{-11}/g$ (TCXO), $\leq 5 \times 10^{-11}/g$ (OCXO)
- High-stability TCXOs & OCXOs: sub-ppm over –55 °C to +125 °C
- Wide operating temperature range: –55 °C to +125 °C
- Radiation-tolerant options: up to 300 kRad
- Ruggedized designs: shock survivability up to 75,000 g
- Very low phase noise for demanding RF systems
- Compact packages: down to 3.2 mm × 2.5 mm TCXO
- Hermetically sealed ceramic packages
- MIL-PRF-55310 compliant processes
- AS9100D & ISO 9001 certified