



- 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



- GaN-on-Si RF Technology
- High Power RF Switches – High linearity, low insertion loss, fast switching time, excellent isolation
- Broadband Power Amplifiers – High efficiency and strong RF performance
- FinFET GaN-on-Silicon Technology – Proprietary 3D GaN process technology
- High Power Density – More RF performance in smaller footprints

- High-Frequency Performance – Designed for demanding microwave/mmWave applications
- Commercially Scalable GaN-on-Si – Leverages silicon manufacturing infrastructure for lower cost
- Markets: Defense/EW, Radar, SATCOM, Test & Measurement, Tactical Radios, 5G/6G & RF Infrastructure



- 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 $+125^{\circ}\text{C}$
- Wide operating temperature range: -55°C to $+125^{\circ}\text{C}$
- 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 x 2.5 mm TCXO
- Hermetically sealed ceramic packages
- MIL-PRF-55310 compliant processes
- AS9100D & ISO 9001 certified



- Highly flexible Coaxial Cable Assemblies
- Solderless Connector Termination/ Bend-to-the-End Assemblies
- Phase Stable/Low Loss Cable Assemblies
- Lightning Protectors/Limiters
- Jamming Antennas

- RF over Fiber Converters
- All-Optical Switches and Splitters
- Optical Amplifiers
- Fiber Optic and Hybrid Harnesses
- High Voltage Wiring and Assemblies
- Modular Power Distribution Units



- 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



- 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
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- 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
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- 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