

RF / mmWave Solutions



www.exoduscomm.com

- ◆ SSPA products feature LDMOS, GaN, GaAsFET discrete and Chip & Wire Hybrid technologies up to 50GHz
- ◆ Medium Power and Low Noise Amplifiers feature GaAsFET, GaN, and Chip & Wire technologies up to 51GHz



www.herotek.com

- ◆ Detectors and Limiters
- ◆ Comb Generators
- ◆ GaAsFet Amplifiers (Broadband, Low Noise, and Power)
- ◆ Down converters, Multipliers, Harmonic mixers, and Transceivers



www.jfwindustries.com

- ◆ Specialists in Attenuators and RF Switching
- ◆ Passive RF Components—Terminations, Mismatches, Power Dividers, Combiners
- ◆ Test Systems and Accessories
- ◆ Matrix Switches, 50 ohm, up to 40GHz,



Quartz Crystal Technology GmbH

www.kvg-gmbh.de/en

- ◆ Ultra-Low Phase Noise, Low-G Sensitivity, High Stability
- ◆ Precision Crystal Oscillators, OCXO, TCXO, VCXO, XO
- ◆ Frequency Modules and Custom Designs
- ◆ Crystal Filters and Precision Quartz Crystals



a Benchmark company

www.larkengineering.com

- ◆ Single Function (SFA) - Filters/Multiplexers, Switches, Switch Filters, Filter Amplifiers, Power Amplifiers
- ◆ Integrated Microwave (IMA) - Up/Down Converters, RCVRs and XCVRs (UHF to W-Band), T/R Modules
- ◆ Multi-Function (MFA) - LRU's, SRA's
- ◆ High Speed Circuit and Substrate



www.microtech-inc.com

- ◆ Waveguide Assemblies—Flexible and Rigid for Military and Aerospace as well as commercial applications
- ◆ Couplers, Rotary Joints, Terminations, and Components



www.nuwaves.com

- ◆ Miniature and ruggedized RF power amplifier modules
- ◆ Solid-state RF & microwave bidirectional amplifiers for demanding SWaP applications
- ◆ High Linearity and range extension with specific vendor Radio Compatibility
- ◆ Cybersecurity – Avionic Data Bus Protection



www.rec-usa.com

- ◆ SMT Coaxial Microstrip or Stripline Ferrite Isolators & Circulators covering 40MHz to 40GHz, Power 4KW and 120% BW – RFI specs to -100dBc & better
- ◆ Combiners, Couplers, Dividers and Mixers
- ◆ Space-qualified products
- ◆ Millimeter wave Components and Subsystems from 5GHz to 140GHz
- ◆ Mixers, Low Noise Amplifiers, Frequency Multipliers, Gunn and DRO Oscillators, Isolators, Circulators, PIN Switch Assemblies, Attenuators, Detectors, Multipliers, Upconverters, SATCOM, Communication and Radar Systems.



www.rsmicro.com

- ◆ High quality RF and MW filters—1 MHz to 50 GHz Military and Commercial Comms, Radar, ECM, and Cellular
- ◆ Filters with wide passbands and stopbands (1-4 GHz passband, stopband to 20 GHz, 1KW operation)
- ◆ Unique products: In-line bandpass filters with finite transmission zeroes, reduced size & wide band high power filters



www.thunderlinez.com

- ◆ Leading Manufacturer of Standard and Custom RF and DC Feedthrus
- ◆ Solder Sealed Hermetic Aluminum Packages
- ◆ Direct Fired Kovar and Microwave Hermetic Packages
- ◆ Laser Sealing Services, Lidding and Component Installation



www.timesmicrowave.com

- ◆ PhaseTrack assemblies – Phase critical - TF4 and SiO2 dielectric
- ◆ Miltech assemblies – rugged, low-loss 40 GHz, vapor-sealed, braided Nomex outer jacket with high density interconnect options
- ◆ Radiation Resistant, Light-weight low out-gassing assemblies to 40 GHz for Spaceflight and Ground test
- ◆ T&M - Silverline, up to 110 GHz (VNA), phase and loss stable, Clarity Series provides industry-leading performance up to 67 GHz

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Optical Solutions

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A Photonics Foundries Enterprise
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- ◆ Microwave Transmitters, Receivers, Lasers and Photodiodes
- ◆ Fiber Optic Delay Lines and RF Fiber Optic Links
- ◆ Micro Erbium Doped Fiber Amplifiers (EDFA)

**In-Phase**
Technologies, Inc.
www.in-phasetech.com

- ◆ High Performance Microwave Fiber Optic Delay Lines (FODL) for Radar Applications (400uS/40GHz)
- ◆ Air Interface Testing, bringing the Test Range to the Bench
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- ◆ 5G Radio Test Set

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**DIAMOND ROLL-RING**
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Test and Measurement Solutions

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**FOCUS**
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- ◆ Wideband noise parameters extraction
- ◆ Behavioral Modeling

**farran**
www.farran.com

- ◆ Millimeter Wave VNA System (CobaltFx)
- ◆ Frequency Extension for Vector Network Analyzers, Antenna Measurement, Spectrum and Signal Analyzers, Signal Generators, and Noise Figure Analyzers
- ◆ Passive Imaging & Radiometers
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**FORMFACTOR**
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