

Professional Engineering Representatives Bringing Technology Solutions to our Customers

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.nuwaves.com

- ♦ Miniature and ruggedized RF power amplifier modules
- Solid-state RF & microwave bidirectional amplifiers for demanding SWaP applicattions
- ♦ High Linearity and range extension with specific vendor Radio Compatability
- ♦ Cybersecurity Avionic Data Bus Protection
- **♦** 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.herotek.com

Detectors and Limiters

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

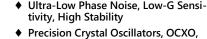


www.jfwindustries.com

- 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,



www.kvg-gmbh.de/en



- TCXO, VCXÓ, XO
- Frequency Modules and Custom Designs
- ♦ Crystal Filters and Precision Quartz Crystals



- 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.rec-usa.com



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.larkengineering.com



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.microtech-inc.com

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

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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



- Microwave Transmitters, Receivers, **Lasers and Photodiodes**
- Fiber Optic Delay Lines and RF Fiber Optic Links
- Micro Erbium Doped Fiber Amplifiers (EDFA)



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
- Low Loss Ground to Antenna Tower Top Link
- ♦ 5G Radio Test Set

Electromechanical Solutions



www.cicoil.com

- Leader in Flat Cable Technology, custom manufacturer of extruded FlexxSil™ cables for ultra-high flex & extreme environments & temp.
- assemblies for high performance motion, aerospace, military, medical and semiconductor manufacturing applications.
- ♦ Capable of millions of flex cycles.
- Flexible flat cables and flat cable HNOLOGIES

www.creationtech.com

- ♦ Engineering services including full product design
- Box build and PCBA services of military products
- **Dedicated NPI PCBA lines for quick** turn prototypes
- ◆ Custom Functional Test Design
- ♦ Component Risk Mitigation
- Military specification cable assemblies and harnesses
- On-site DLA QTSL testing lab and offers the full spectrum of DPA testing per military standards



- ♦ Maintenance-Free Long Life slip ring solution for mission-critical aerospace, defense, industrial and space applications worldwide
- **High Current Handling with Low Signal** Noise and High Data Transfer Rates
- Very Low Torque, Shock Resistant, High Rotational Speed, High Transfer Efficiency

Test and Measurement Solutions



www.corelis.com

- Software tools using 1149.1 (JTAG) for PCB functional testing, debugging, and in-system programming of Flash memory, CPLDs, and FPGAs
- Device Anti-counterfeiting software
- Serial bus analyzer and exerciser products (SPI, I2C, etc)



www.focus-microwaves.com

- Wideband fundamental and **Harmonic Load Pull Tuners**
- ♦ Pulsed IV/RF Characterization System delivers unparalleled performance
- Wideband noise parameters extraction
 - Behavioral Modeling



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
- Frequency Extension Calibration Kits (FEK)



www.formfactor.com

- ♦ 150, 200 and 300mm Manual, Semi-Auto, and Full-Auto
- ◆ DC and RF (up to THz) Probing
- ♦ Vacuum and Cryo Probe Stations
- ♦ Power Systems, up to 10kV



www.in-phasetech.com

- ◆ Extension of your Test Engineering
- ATE System Design and Development—Expertise in RF, Microwave and Fiber Optic Technologies
- ♦ ITA's and Test Fixtures
- **Build to Print Services—Test** Software—LabVIEW and TestStand



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- ♦ Network and Deployable Small Form Factor Spectrum Analyzers— 5G, SIGINIT, TSCM
- ♦ Software Defined Real-Time Spectrum Analysis up to 27 GHz, 100 MHz real-time BW
- ♦ E300 Enabler for Keysight 89600 VSA Complete Vector Signal