

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.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



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 Compatability
- ◆ 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.

RS MICROWAVE COMPANY, INC.

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.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

Optical Solutions

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Cheryl Celebi

East/RTP, Greensboro
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cherylc@eoxsales.com



www.emcore.com

- ◆ Microwave Transmitters, Receivers, Lasers and Photodiodes
- ◆ Fiber Optic Delay Lines and RF Fiber Optic Links up to 60 GHz
- ◆ Micro Erbium Doped Fiber Amplifiers (EDFA)

Electromechanical Solutions



ACT Now for Superior Power

www.actpower.com

- ◆ AC-DC, COTS, DC-DC Power Supplies
- ◆ MILITARY Grade Aerospace (MIL-STD-704), Shipboard (1399), Ground (1275), Comms, 810, 461 and MIL-S-901
- ◆ Up to 35,000 VDC; Single/3 phase power factor conversion—power factor 0.99 and THD of <3%



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
- ◆ Precision Metalworking
- ◆ On-site DLA QTSL testing lab and offers the full spectrum of DPA testing per military standards



www.cicoil.com

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



www.pixustechnologies.com

- ◆ COTS & MIL Rugged Rackmount & ATR Chassis Platforms
- ◆ OpenVPX, SOSA-aligned 3U and 6U chassis platforms, backplanes and accessories
- ◆ Latest high-speed designs including various SOSA-aligned, VITA 66/67 optical & RF interfaces

Test and Measurement Solutions



An EWA Company

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)



frtmetrology.com

- ◆ Non-contact, optical, multi-sensor profilometers
- ◆ Modular, future upgradeable systems
- ◆ High resolution, fast and accurate measurements
- ◆ Measurement of topography, shape, roughness and thickness



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.thinkrf.com

- ◆ 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 Analysis
- ◆ Downconverters/tuners for 5G