

Professional Engineering Representatives Bringing Technology Solutions to our Customers

RF / mmWave Solutions



www.cernex.com www.cernexwave.com

- Attenuators, switches, limiters, detectors, mixers
- Oscillators & noise sources, phase shifters
- ♦ Ferrites —isolators & circulators
- ♦ Antenna products



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

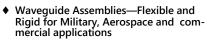


www.bench.com/lark

MICROTECH

www.microtech-inc.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 Design and Fab (LCP)



♦ 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 applicattions
- High Linearity and range extension with specific vendor Radio Compatability
- ♦ Cybersecurity Avionic Data Bus Protection



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



www.werbelmicrowave.com

- ◆ RF directional couplers, splitters, combiners, hybrids
- ◆ Passives up to 26.5 GHz
- ♦ Resistive power dividers /combiners

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Optical Solutions



www.ortel.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)

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, Í2C, etc)



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



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



- **Network and Deployable Small** Spectrum Analyzers to 27 GHz
- Software Defined Real-Time Spectrum Analysis, 100 MHz realtime BW
- ♦ Up/downconverters/tuners for 5G

System & Chassis Solutions



ACT Now for Superior Power

www.actpower.com

T E

- ♦ 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%
 - ♦ 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
- General purpose processing, I/O processing (including FPGA-based) cards

HNOLOGIES

www.creationtech.com

- Technology building blocks for computing infrastructure and payload processing require-
- ♦ Form Factors—MicroTCA/AMC, VPX, PCI Express, FMC/XMD





www.pixustechnologies.com

- **Rackmount & Rugged Systems**
- OpenVPX, 3U-6U chassis, boards, backplanes and accessories
- High-speed architecture backplane and board profiles per VITA 65 (VITA 65.0 & 65.1) Extension to VITA 46 to ensure compatibility

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