

## RF / mmWave Solutions



[www.atekmidas.com](http://www.atekmidas.com)

- ◆ Analog, mixed-signal silicon ASICs & RFICs and advanced GaAs and GaN MMICs and modules
- ◆ Over 50 Catalog MMIC Products—Die, SMT & Modules
- ◆ High Performance MMIC Filters
- ◆ UWB RFICs, WiFi7 & X-Band FEMs
- ◆ LIDAR AFEs, TIAs, Laser Drivers, CDRs, PFDs
- ◆ OTA Test Subsystems for Radar/Comms



[www.herotek.com](http://www.herotek.com)

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



Quartz Crystal Technology GmbH

[www.kvg-gmbh.de/en](http://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.GwayRF.com/](http://www.GwayRF.com/)

- ◆ 25 year+ legacy in designing and manufacturing application specific / custom build to spec for defense systems globally
- ◆ Pallet/Modules to Rack/Bench Unit assemblies and combined Rack Units into extremely high output power solutions
- ◆ Low Noise/High Dynamic Range, Driver and Medium Power, High Power HPA's and Signal Conditioning solutions



[www.larkengineering.com](http://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 Design and Fab (LCP)



[www.micro-coax.com](http://www.micro-coax.com)

- ◆ High Frequency Low Loss UtiFlex Cable with Superior Stability Performance –Space Grade options with Heritage
- ◆ Ultra-flexible stable RF cables –withstand up to 20 Million Cycles
- ◆ Aracon Lightweight Braid Material with Superior strength and Shielding Performance
- ◆ High Performance RF Test Cables to 110 GHz



[www.microtech-inc.com](http://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.remtec.com](http://www.remtec.com)

- ◆ Advanced metallized ceramic circuits, substrates, components & packaging
- ◆ Al<sub>2</sub>O<sub>3</sub>, AlN, BeO, Si<sub>3</sub>N<sub>4</sub>, & other materials using Active Metal Braze, Direct Bond Copper, Thick Film
- ◆ Ideal for thermal challenges of HPSP, optoelectronics, semiconductor manufacturing systems, others
- ◆ Design-built, build-to-print, USA-based



[www.rsmicro.com](http://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](http://www.timesmicrowave.com)

- ◆ PhaseTrack Flexible and Semi-Rigid Cable—Phase critical -TF4 dielectric
- ◆ SiO<sub>2</sub> Assemblies for Phase stability and extreme temperature environments
- ◆ Miltech assemblies – rugged, low-loss 40 GHz, vapor-sealed, braided Nomex outer jacket with high density interconnect options
- ◆ TLx Series Push-on and Blind Mate High Power Interconnect Series
- ◆ Radiation Resistant, Light-weight low out-gassing assemblies to 40 GHz for Spaceflight and Ground test



[www.cotsworks.com](http://www.cotsworks.com)

- ◆ Optical transceivers at 1-28 Gbps
- ◆ Interconnect platform of rugged termini and MIL connectors for custom cable builds
- ◆ Avionics-focused optical & networking test equipment
- ◆ High performance rugged custom optical subassemblies & packaging



- ◆ RF/MMW over fiber up to 60 GHz + Band Specific Links
- ◆ Unsurpassed SFDR, NF, OIP3 performance
- ◆ Integral Pre/Post RF Amp Options
- ◆ Fiber Optic Delay Lines
- ◆ Stand Alone, 6 slot 1U, 16 slot 3U platforms

## Electromechanical Solutions



ACT Now for Superior Power  
[www.actpower.com](http://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.cicoil.com](http://www.cicoil.com)

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



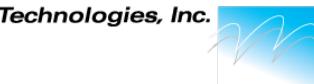
[www.pixustechologies.com](http://www.pixustechologies.com)

- ◆ 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



[www.corelis.com](http://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.in-phasetech.com](http://www.in-phasetech.com)

- ◆ Extension of your Test Engineering
- ◆ ATE System Design and Development—Expertise in RF, Microwave and Fiber Optic Technologies
- ◆ High Performance Microwave Fiber Optic Delay Lines (FODL) for Radar Applications (400μS/40GHz)
- ◆ ITA's and Test Fixtures
- ◆ Build to Print Services—Test Software—LabVIEW and TestStand Certified Engineers



[www.formfactor.com](http://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

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