

ALTUM RF

Based in Europe, Altum RF design and develop a broad range of high performance RF products for Commercial, Industrial and Defence applications.

Using proven technologies such as GaAs, GaN, SiGe or RF CMOS, Altum RF supply the following solutions:

- Low Noise Amplifiers
- MMIC Amplifiers
- Bare Die Amplifiers
- GaAs FET MMIC Switches
- Phase Shifters

Altum RF's product line covers DC to 110GHz and beyond.



Established 1930, a leader in design and manufacture of Low Phase Noise Frequency Generation Products.

- Crystal Products
- Integrated Assemblies including Position, Navigation and Timing Solutions
- Low Cost & Precision Oscillators (XO, OCXO, TCXO, VCXO and TCVCXO)
- Military and Space Heritage
- Low power and G Sensitive Technologies

COBHAM

Cobham Antenna Systems, incorporating Continental Microwave and Kevlin.

Continental Microwave:

- Spiral and Flat Plate Antennas
- Sub-Systems
- Waveguide Components

Applicable for Hi-Rel, Defence and Space applications

Kevlin:

- Rotary Joints
- Rotating Systems
- Slip Ring Assemblies to 40GHz

Applicable for Defence, Air Traffic Control, Satcom, Space and Commercial Applications.

Sivers Labs:

- Rotating Joints
- Hybrid Rotary Systems

Applicable for Defence, Air Traffic Control, Satcom and Commercial Applications.



Copper Mountain Technologies (CMT) produce lab-grade Vector Network Analysers that provide high accuracy, wide dynamic range, a familiar UI and a broad variety of standard features at an affordable cost.

- High Performance Vector Network Analysers (up to 330GHz)
- Compact VNAs up to 43GHz.
- Two and Four Port with Direct Receiver Access
- Vector Reflectometers
- Calibration & Accessories
- University Kits



Communication Power Corporation (CPC) manufactures world class, Pulsed and CW, High Power Amplifier Technology.

- Medical, Scientific, Industrial and Defence Applications
- NMR, MRI, MRS, NQR and EPR Applications



Polyflon manufacture high performance Microwave Laminate and Substrate Materials.

- Low dielectric constant
- Standard or custom panel sizes available
- Fast delivery

Specialises in Electroplated PTFE to any shape, any size to suit any specification. It is has been successfully proven in many diverse applications ranging from microwave communications to magnetic resonance imaging.



Eclipse Microwave supply a broad range of RF and Microwave products and services from Coaxial Microwave Assemblies to MMICs.

- GaAs MMIC Amplifiers
- Detectors
- Limiters
- Mixers and Frequency Doublers
- Gain Equalisers
- Couplers and Power Dividers

Eclipse also supply discontinued MACOM Tunnel Diodes.

ERAVANT

FORMERLY SAGE MILLIMETER

Eravant supplies high performance Microwave and mmW components and modules for Test and Measurement, Commercial and Military applications. Eravant's product offerings include standard catalogue products and custom designs.

Eravant design and manufacture the following products from 18 GHz to 170 GHz and beyond:

- Antennas
- Amplifiers
- Cable Assemblies & Adaptors
- Coaxial Components
- Frequency Converters
- Control Devices
- Ferrite Devices
- Oscillators
- Sensors
- Test Equipment
- Waveguide Components



EPX Microwave design, and manufacture RF and Microwave Electromechanical Switches to serve the switching needs of the next generation communication and test systems.

- Single Pole, Double Throw Switches
- Transfer Switches
- Matrix Switches
- Frequency range up to 52 GHz and beyond



Standard and custom high performance component designs up to 67 GHz for Commercial, Defence and Space applications. Exceed Microwave is AS9100 certified and ITAR registered, providing high quality, high performance Passive Components.

- Coaxial and Waveguide Band Pass Filters
- WC Series Waveguide Band Pass Filters
- Microstrip Filters
- Combiners and Adaptors
- Group Delay/Phase Equalisers



Applicable for high performance applications in professional, Defence, Aerospace and Space Markets.

Incorporating

- Eurofarad
- Sic Safo
- Firadec
- Microspire
- Dearbon Electronics
- Temex Ceramics
- Astema
- Vertura

Capacitors

- Multi-layer Ceramic
- Film Capacitors
- Aluminium Electrolytic Capacitors
- Tantalum (Wet and Solid) Capacitors
- Capacitor Banks
- Modules

Magnetics

- High Precision Inductors
- Motor Stators
- Transformers
- Windings

Electromechanical

- EMI/RFI, energy and HEMP Filters
- Optical Encoders
- Precision Potentiometers
- RVDTs
- Slip Rings
- Sub-Assemblies



Modules and Test Systems for Hi-Rel and Defence applications.

- Phase Noise Test Systems
- Single and Multichannel Phase Coherent RF Synthesisers up to 50GHz
- Ultra Low Phase Noise



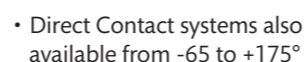
inTEST Thermal Solutions, incorporating Tempronics, Thermonics and Sigma Systems.

Thermal Test Products for:

- Environmental Test
- Process Chillers
- Semiconductor, IC and Module Test Applications



ATS & ECO Series ThermoStreams providing accurate, controlled temperatures at the test site from -95°C to +300°C.



Precision Temperature Forcing Systems (PTFS) have been replaced by the new ATS Series ThermoStream Systems.



Temperature Controllable Convection Chambers and Hot/Cold Plates.



Control Components, Modules and IMAs.

- Attenuators
- Limiters
- Power Amplifiers to 40GHz
- Frequency Sources and Synthesisers
- Switches
- Integrated Microwave Assemblies

Applicable for use in Hi-Rel and Defence applications.



MCS is a European Leader in design, development and manufacture of Active and Passive, RF & Microwave Components and Sub-Systems from DC to 50GHz.

- SSPAs up to 500W CW and 40GHz
- Combiners and Dividers
- Ultra Broadband Couplers
- Filters
- PIN Diode 'Hot Switches'
- Non-ITAR Product & Available from Stock



MiCable specialises in high performance Cable Assemblies up to 67 GHz.

- Adaptors
- High Frequency Power Dividers/Combiners
- High Frequency Couplers
- Hybrids
- Test Solutions
- Short Lead Times
- Export Licence Fee
- Flexible Low Loss Interconnects
- Test Cables



Modco, Inc. design and manufacture high quality Voltage Controlled Oscillators for Commercial, Industrial, Medical, and Military Applications.

- Frequencies from 10MHz to 12GHz
- Surface Mount, TO8, Surface Mount
- Custom and off the shelf solutions

Applicable for Wireless Communications to 12GHz.



- RF, Microwave and Millimetre Wave Diodes
- PIN Diodes
- Limiter Diodes
- Tunnel Diodes
- Step Recovery Diodes
- Silicon Transistors



Microwave Isolators and Circulators for Defence, Wireless and Telecommunication 380MHz to 26GHz frequency range.



High quality products range from DC to 27.5GHz.

- Baseband Routers and Components
- RF Matrices
- RF Routers
- Multi Couplers
- Standard and Custom Solutions available



- Broadband Conical Inductors
- Fixed and Tunable Inductors
- High Quality, Microelectronic Coil Inductors
- RF & Microwave Air Coil and Spiral Chip Inductors

Applicable for Space, Aerospace, Defence and Commercial Applications.

- DC to 65+GHz
- Modelithics Piconics MVP library available



Res-Net design and manufacture:

- Microwave Attenuators
- Terminations
- Diode Detectors
- Resistors

The Microwave Attenuator and Termination range from small flange type to large 2,000 watt Power Attenuators and/or Terminations.

- ISO 9001: 2012 and NASA Specification NPC 200-3
- In-house photo etch and laser trim capabilities
- Connectorised components available for Test applications



RF Techniques is a leading designer and manufacturer specialising in high temperature Brazed Power Resistors, High Power Attenuators and High Power Terminations for Microwave and RF applications.



Southwest Microwave design and manufacture a broad range of high-performance Microwave Connectors and Adaptors with the lowest Insertion Loss and VSWR, from DC to 110 GHz.

- Panel Mount Connectors
- End Launch Connectors for PCB evaluation
- Adaptors
- 'SuperMini' vertical or end launch board-to-board Connectors
- Cable and Harness Assemblies, including multi-pin Connectors up to 110 GHz

Suitable for Hi-Rel / Space, Defence, Instrumentation, integrated-circuit and PCB evaluation applications.



Incorporating Newtec product line.

Market Leader in Satcom Technologies for a wide range of applications across market sectors.

- Modems
- Modulators
- Demodulators
- Fixed Satellite Broadband Hardware (Low cost Antenna System with Modem)
- Frequency Converters
- IP Hub Platforms including 'Dialog'
- OEM Solutions
- Redundancy Switches



Tennmax USA provide innovative and high performance Thermal Management products and solutions suitable for all industry sectors.

- Thermal Pads and Pastes with best in industry performance
- Form In Place (FIP) - Computer controlled dispensing of Environmental and EMC gasket
- Thermal analysis service and cost effective CNC Machining
- RF Absorber materials
- Heat Pipes
- Metallisation of Plastics
- Tennmax's technology enables smaller, lighter and more compact designs



ThinkRF design and manufacture PC driven high performance Signal / Spectrum Analyser with a highly configurable Software Defined Radio receiver coupled with real-time digitisation and digital signal processing.

- Ideal for Spectrum Monitoring Applications
- 8, 18, 27, 31 & 40GHz options
- Up to 160MHz Real Time Bandwidth
- Probability of Intercept (POI) as short as 1.02 µs
- Spurious Free Dynamic Range (SFDR) up to 100 dBc
- Optional Support for External Local Oscillator
- Optional Pre Amp and Preselect Filtering
- Compact housing with rack mount option
- Available as OEM Module
- Downconverter modules available extending frequency range to 40 GHz



- 0° Combiners/Dividers
- 90° Hybrid Couplers
- 180° Hybrid Combiners and Absorptive Filters from DC to 6GHz
- High Power, Multi-Octave Directional Couplers
- Impedance Transformers

Markets include Defence, Commercial, Industrial and Test & Measurement.

Mismatch Tolerant® designs operate at rated power into severe mismatches. Power capability from 5W CW to 100kW CW.



Wolfspeed's GaN RF Power devices provide the best-in-class in efficiency and performance, including the lowest Failure-in-Time (FIT) rate in the industry.

- Bare Die
- Unmatched Transistors
- Pre-matched Transistors
- Fully matched Transistors
- MMICs
- Packaged MMCs
- DC to 40GHz and beyond

Suitable for Hi-Reliability applications including Defence, Industrial/Scientific, Commercial Comms and Satcom.

Foundry services also available.

