

RF & Microwave

RF & Microwave Components



ATM - Advanced Technical Materials, Inc.

www.atmmicrowave.com

Advanced Technical Materials Inc. Coaxial and Waveguide RF Microwave Components Subsystems
Advanced Technical Materials Inc. designs, manufactures, supplies, and stocks: Coaxial and Waveguide RF Microwave Components Subsystems to Commercial Standards or to Full Military Specifications. Their In house design, manufacturing, inspection and quality control capabilities allow fast response to customer requirements. ATM's Microwave measurement capability up to 50GHz makes us the best choice for the design and manufacturing of your components.



BeckElec

www.beckelec.com

GIGA-TRON is a STOCKING DISTRIBUTOR

Crystal oscillators, XO's VCXO's, VCTCXO and TCXO's. GIGA-TRON IS A STOCKING DISTRIBUTOR
High volume, low cost crystal oscillators, XO's VCXO's, VCTCXO and TCXO's. Crystal Oscillators Covering frequencies from 10KHz to 155.52MHz, these devices are ideal for use in Stratum and Sonnet switches, RF Telecommunications, synthesizers, GPS, avionics and test and measurements applications providing low phase noise, miniature packaging and low cost. Both AT and SC cut crystal available. Stocking many options at 10MHz and other frequencies.



B&Z Technologies

www.bnzttech.com/index.php

State of the art microwave and millimeter wave amplifiers in Coaxial and Waveguide including models with

2 to 4 GHz Amplifiers, Cryogenic Amplifiers, High Dynamic Range Amplifiers, High Power Amplifiers, Low Noise Amplifiers, Medium Power Amplifiers, Microwave Amplifiers, Millimeter-Wave Amplifiers, Multi-Octave Amplifiers, SATCOM Amplifiers, Short Delivery Amplifiers, Ultra Low Noise Amplifiers, Ultra Wideband Amplifiers, Waveguide Amplifiers, Wideband Amplifiers, Custom Amplifiers



Cobham Antenna Systems Microwave Antennas

www.european-antennas.co.uk

Cobham Antenna Systems Microwave Antennas (ex European Antennas Limited) Antennas in the 400 MHz to 18 GHz

Cobham Antenna Systems Microwave Antennas has purchased European Antennas Limited Antennas Security Surveillance, Cellular, WLAN, WLL, and Telemetry. An Original Equipment Manufacturer that specializes in the Design and manufacture of antennas in the 400 MHz to 18 GHz range to high standards (ISO9001) Designs include flat panel, sector, low profile, omni, hemi omni, dipole, helix, broadband and narrow band antennas that can be mounted on masts, walls, ceilings, roofs, UAVs, helicopters, missiles, race cars, TV cameras, weather buoys and satellites



Eastern Wireless TeleComm, Inc., (EWT)

ewtfilters.com

EWT Specializes in custom design and manufacture of RF & Microwave filters and filter based products for Military, Commercial, Wireless, and Space applications

EWT has 50 years of combined experience in the design, development, and high volume manufacturing of Cavity and Waveguide filters to 50 GHz and Lumped Element filters up to 10 GHz. All of our products are manufactured to strict guidelines set forth in our ISO-9001 compliant Quality System



IF Engineering

www.ifengineering.com/home.php

Power dividers, combiners, Directional Couplers, Quadrature hybrids 90 Degree, Vector Modulators (I&Q), Phase comparators, (I&Q) Demodulators, Multi Couplers, Distribution Amplifiers, sub systems



Johanson Manufacturing Corporation

www.johansonmfg.com

Variable Capacitors and Power Resistors for RF and Microwave

Variable Capacitors and power resistors for RF and Microwave A wide variety of variable capacitors for RF and microwave applications. Miniature capacitors designed for high resolution tuning of RF power circuits. These can include air capacitors , Ceramic variable capacitors for surface mount, strip-line, and through hole lead styles. Microwave tuning elements for tuning waveguides, cavities, and other microwave structures.



Mini-Circuits

www.minicircuits.com

GIGA-TRON is the CANADIAN STOCKING DISTRIBUTOR FOR Mini Circuits High performance, low cost miniature RF/IF components Frequency mixers, Power splitters/combiners, Amplifiers, Bi-Phase Attenuators, Directional couplers, Filters, Frequency doublers, Limiters, Bias-Tees, Modulators-demodulators (I&Q, QPSK, BPSK), Phase detectors, GaAs Switches, RF Transformers, VCO's

High performance, low cost miniature RF/IF components: Frequency mixers, Power splitters/combiners, Amplifiers, Bi-Phase Attenuators, Directional couplers, Filters, Frequency doublers, Limiters, Bias-Tees, Modulators-demodulators (I&Q, QPSK, BPSK), Phase detectors, GaAs Switches, RF Transformers, VCO's



MwT - MicroWave Technology Inc.

www.mwtinc.com

A manufacturer of discrete gallium arsenide (GaAs) field effect transistors (FETs).

A manufacturer of discrete gallium arsenide (GaAs) field effect transistors (FETs). These devices employ proprietary vapor phase epitaxial processes and quarter micron recessed gate technology, which result in highly linear, low phase noise devices with power outputs ranging from 10 Milliwatts to 5 watts. These devices are sold as chips or in packages, find wide use in the amplification of signals from 100 MHz to 40 GHz. Employing thin film hybrid microcircuit construction, MwT also produces and markets various standard modular amplifier products to 26 GHz



Nova Microwave

www.novamicro.com

Nova Microwave specializes in Design, Development, Manufacturing of "High Volume/Low Cost" RF and Microwave Isolators and Circulators. Available in Single or Multi-junction topographies, the NOVA product line of Ferrite Junction Products are specifically designed for use in Wireless Links and Telecommunication Systems. Frequency range of 380Mhz to 26.0Ghz in varying bandwidths; tailored to cover all Standards and Popular Bands commonly used throughout the World.



Response Microwave Inc

www.responsemicrowave.com

Supplier of coaxial and fiber optic connectivity and control component solutions operating from DC to light including; laser diodes, cryogenic cable, connectors, filters adaptors, terminations, attenuators, couplers and splitters. Complete line of standard and custom products for military, medical, telecom, industrial and scientific applications.



Times Microwave

www.timesmicrowave.com

Times Microwave Systems (TMS) specializing in the design and manufacture of high performance flexible and semi-rigid coaxial cable, connectors, and cable assemblies for RF transmission from HF through Microwave frequencies.

cable solutions for the demanding requirements of airborne electronic warfare systems including low smoke cables for shipboard applications The innovative LMRÂ® product line provides a better alternative to corrugated copper cables for antenna feeders and system interconnects. Compared to corrugated copper cables, LMR cables offer better flexibility, resistance to kinking, comparable attenuation, and easier connector attachment at a lower cost. high performance coaxial cables. closed cell low loss polyethylene foam dielectric and low loss taped PTFE dielectric coaxial cables. low VSWR over broadband frequency ranges up to 40 GHz. connector design and manufacturing expertise allowed TMS to take full performance responsibility for the entire cable assembly military specifications, including MIL-C-17 for coaxial cables. Times is the leading source of MIL-C-17 qualified products, holding far more QPL's (Qualified Product Listings) than any other manufacturer in the world. US Navy MIL-T-81490 Transmission Line Specification, and is qualified to supply microwave transmission lines that meet MIL-T-81490 and MIL-C-87104 (US Air Force) requirements. These are the specifications that define harsh military airborne environments that Electronic Warfare transmission lines must perform in TMS is the leader in the design, qualification, manufacture, and on-time delivery of high performance cable and cable assembly products to the commercial wireless and military marketplace.



Trilithic - RF & Microwave Components & Filters

www.trilithic.com/RF%20and%20Microwave%20Components

RF & Microwave Components including: Filters, Test Components, RF Switches, Power Dividers, Switching and Control Subsystems.

Test, Measurement & Sensing

Equipment for RF & Microwave test, measurement and sensing



CrossPoint Technologies

www.crosspointtechnologies.com

CrossPoint Technologies switching products are broken into several categories: Redundancy Switching Systems; Matrix Switching Systems; Custom Applications. Most products are available with either solid state or mechanical switching elements. Most products are also available to cover any frequency from DC to 18 GHz.

Redundancy Switching Systems Redundancy switches provide a standby signal path that is shared among one or several identical paths. The Redundancy Switches can be used to automatically route around failed amplifiers, optical components, receivers, transmission paths, etc. Matrix Switching Systems Matrix switches provide a M x N configuration. All inputs can be routed to all outputs. Routing (or Selector) Switching Systems Routing switches provide a 1 to N or N to 1 configuration. They can be used to send a signal to one of several destinations, or to select one of many sources for processing. Custom Applications CrossPoint technologies welcomes the opportunity to design a system that meets your needs. If you don't see what you need, talk to us about it. Please e-mail us with any questions or requirements you might have.



ORBIT/FR

www.orbitfr.com

automated antenna measurement systems for test and measurement including: Near-Field, Far-Field & Compact Range technologies for Antenna, EMC, RCS & Radome applications.

ORBIT/FR serves the defense, aerospace, telecommunications, and automotive industries with automated antenna measurement systems dedicated to Far-Field, ORBIT/FR is a pioneer of modern antenna measurement supporting the antenna test and measurement needs of the defense, aerospace, automotive, and telecommunications industries. From sophisticated turn-key measurement systems to precision individual components. provide for all of your test and measurement needs, including Near-Field, Far-Field & Compact Range technologies for Antenna, EMC, RCS & Radome applications.



SSI Technologies, Inc

www.ssitechnologies.com

Sensors: for Pressure, Ultrasonic Fluid Level measurement, Distance measurement, and speed

SSI Technologies, Inc is a leading designer and manufacturer of sensors, sensors based monitoring products for the transportation, heavy equipment, manufacturing, process and many other industries and applications.

Avionics and Telemetry

Avionics Data Acquisition Interface Cards & Software, Products for Telemetry



Alta DT - Data Technologies

www.altadt.com

Alta Data Technologies - Avionics interface cards and software for MIL-STD-1553 and ARINC.

Alta Data Technologies is the technical leader in avionics interface cards and software. MIL-STD-1553 and ARINC Interface Cards and Software



Apogee Labs Incorporated

www.apogeelabs.com

Apogee Labs Incorporated products for transporting Data from Point A to B (or many) is their specialty

Apogee Labs Incorporated provides State-of-the-art products and service to communications, instrumentation and telemetry solutions Moving Data from Point A to B (or many) is their specialty An Innovative modular product lines for Solutions for collecting, transmitting, converting, switching and distributing signals found within these communities

Video & Audio

Video & Audio Solutions



Delta Digital Video

www.delta-info.com/DeltaWeb/delta-digital-video

Video Compression and Scan Conversion Video compression products reduce the bandwidth required to transmit or store high quality Standard Definition (SD) or High Definition (HD) video information and Scan conversion products convert non-standard video signals into standard video signals

Video compression products reduce the bandwidth required to transmit or store high quality Standard Definition (SD) or High Definition (HD) video information using state-of-the-art, standards compliant video compression algorithms. Scan conversion products convert non-standard video signals into standard video signals so that they can be recorded or displayed on standard video equipment. Delta Digital Video is a division of Delta Information Systems, Inc. a Premier Supplier of: Video Encoders Video Decoders Scan Converters Custom Video Solutions



Vislink - Law Enforcement and Public Safety

www.vislinklaw.com

Vislink - Law Enforcement and Public Safety Vislink Group is the leader in digital COFDM microwave products and systems for law enforcement, first responder, and military applications where performance and reliability are critical requirements.

The PMR CoDR Series of Digital Microwave transmitters and receivers uses COFDM modulation coding, which provides link performance that is superior to traditional analog systems. Their Products include a range of Antennas for: Security Surveillance, microwave video, audio, and data transmission

Military Suppliers



CommsAudit - Communications Audit UK Limited

www.commsaudit.com

CommsAudit designs and manufactures RF and digital equipment and subsystems in the United Kingdom UK for Defence, Telecommunications, Military, and broadcast communications applications.

CommsAudit Manufactures COTS, HF Tuner Digitisers, Antenna Multicoupler distribution units for HF VHF UHF and L-Band, Antenna switch matrix systems that are Fast switching, Non-blocking, full fan-out and hot swap compliant, Down-converters for VHF UHF, Superresolution HF direction finding (SRDF) multichannel tuners, and Frequency Standard distribution units. HF Antenna beamformers and Antenna sequencers for 24 low band and 24 High band inputs. CommsAudit's CA 7708 an 8 Channel Narrowband HF Tuner Digitiser Subsystem is suitable for Over the Horizon Radar OTHR and High Frequency Surface-Wave Radar HFSWR and other applications.



EW Simulation Technology Limited

www.ewst.co.uk

EW Simulation Technology Limited (EWST) is a UK Company (owned by Herley Industries Inc.), specializing in the design and manufacture of Multi-Spectral Threat and Countermeasures Stimulators for EW test, evaluation and training.

The Company has been established in the radar threat and ECM simulator business since 1984 and has a well-proven and distinguished track record world-wide. The success of EWST has been through the supply of high quality products together with a total commitment to post sales service and logistic support. EWST manages a continuous product improvement design philosophy with the ability to upgrade older products with the latest designs. The Company operates a fully documented quality control system certified to ISO9001:2008. Since 1984, EWST has supplied over 100 simulation equipments to naval, air force, army and civilian customers in more than 17 countries around the globe. Backed by a network of local sales and representative offices, and with a related facility in Nowra, Australia, EWST offers a total capability for marketing, sales, design, manufacture and support of its radar threat and countermeasures simulator products.



MESL Microwave

www.meslmicrowave.com

MESL Microwave designs and manufacturing components & subsystems for the radar, communications, defence, aerospace and transportation industries. Core Technologies * Ferrite & Ceramic Materials * Microwave Thin & Thick Film Processing * SAW Design & Processing * Electronic Signal Processing & Control * Environmental Qualification * SMT PEC Population * Microwave Radar Telecommunication Technology ...



TCI International Inc.

www.tcibr.com

TCI International Inc. (TCI), is a Silicon Valley systems engineering and manufacturing company, specializes in Spectrum Monitoring & Communications and HF/MF Broadcasting & Communication antenna systems, and engineering services. They specialize in VHF/UHF COMINT/DF Systems

TCI International, Inc. (TCI), a Silicon Valley systems engineering and manufacturing company, specializes in Spectrum Monitoring & Communications and HF/MF Broadcasting & Communication antenna systems, and engineering services. For nearly 40 years TCI's global customers have acquired customized systems (as well as training and support) that reflect a multi-disciplined approach to system preparation/product manufacture. TCI's design and manufacturing abilities are expanding through focused research/development they specialize in VHF/UHF COMINT/DF Systems see Model 803C Strategic VHF/UHF COMINT DF System http://www.tcibr.com/ufiles/Library/803Cwebp_052407.pdf Model 803WT Tactical VHF/UHF COMINT DF System : <http://www.tcibr.com/ufiles/Library/803WTp.pdf> HF COMINT/DF Systems Model 802 Narrowband HFDF System : <http://www.tcibr.com/ufiles/Library/802webp.pdf> Model 9091 Wideband HFDF Processor : <http://www.tcibr.com/ufiles/Library/9091webp.pdf>