



2007 IEEE MTT-S IMS EXHIBITION GUIDE

A-Alpha Waveguide Co. 1515
El Segundo, CA

J. Joseph, J. Matzen, P. Horsley

A-Alpha Waveguide is a manufacturer of precision cold drawn aluminum waveguide tubing specializing in making thin wall tubing for aerospace applications. Aluminum, copper, bronze, invar, stainless steel, and coin silver waveguide are in stock for immediate delivery. Thin wall cast bends, standard wall aluminum and bronze cast bends, aluminum flange stock and beryllium copper and brass flexible tube are also in stock.

Materials, Millimeter-wave Components, Waveguide/Waveguide Components

Acceleware Corp. 949

Calgary, AB, Canada

K. Wohlgemut

Acceleware® is a Calgary-based company that brings the power of a supercomputer to your desktop. Our Accelerator™ Board and ClusterInABox™ Workstation products harness the parallel processing power of GPUs to deliver unrivaled performance and data processing speeds. We accelerate electromagnetic simulations, such as: antenna design, printed circuit boards, and electromagnetic compatibility (EMC).

Software

Actipass Co. Ltd. 1647

Hwasung-Si, Kyunggi-Do, South Korea

Actipass Co. Ltd. is a company specializing in the production of RF and microwave components and systems related to mobile and satellite communication systems ever since it was established in August 1992.

Amplifiers, Connectors/Cable/Adapters, Couplers, Filters, Power Dividers, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Advance Reproductions Corp. 1609

N. Andover, MA

S. Alaimo, M. Crowley

Laser written glass photomasks coated w/chrome iron oxide or emulsion on sizes from 2.5" up to 32" square and feature sizes down 20m. Conversion services available, along with high-precision photoplots on mylar utilizing up to 1/16 mil resolution and film sizes up to 32" x 36".

Materials, Services

Advanced Control Components Inc. 812
Eatontown, NJ

M. Perhacs, C. Brand, T. Couse, M. Gaffney, R. Galli

Advanced Control Components designs and manufactures high performance components and custom integrated multi-function assemblies to 40 GHz serving commercial, industrial, military and space applications. Products include amplifiers, attenuators, detectors, frequency converters, limiters, phase shifters, switches, switch matrices and synthesizers. Advanced Control Components also provides RF and microwave design, analysis, manufacturing and test services.

Amplifiers, Attenuators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Synthesizers, Systems/Subsystems, Switches

Aeroflex Inc. 1342
Plainview, NY

L. Borow, J. Buyko, G. Smith

Aeroflex is a provider of microelectronic products, test and management systems, instruments and solutions for the communications, military, government and semiconductor industries. Providing components, equipment, software, systems and services, Aeroflex assists customers within the wireless communications, avionics, satellite and radar markets.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Millimeter-wave Components, Phase Shifters, Power Dividers, Synthesizers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment

Aeroflex Microelectronic Solutions 1342
Plainview, NY

J. Buyko, G. Smith

Aeroflex RF/Microwave divisions – Aeroflex/Inmet, Aeroflex/KDI-IP, Aeroflex/KDI-RP, Aeroflex/Metelics, Aeroflex Plainview, Aeroflex/Weinschel design, manufacture, and market microwave semiconductors, attenuators, phase shifter and time delay units, control components, connectors and adapters, BlindMate™ connectors, bias tees, dc blocks, equalizers, splitters/dividers, frequency converters, filters, and switch matrices.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters,

Millimeter-wave Components, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, Switches, Terminations

Aeroflex Test Solutions 1342
Plainview, NY

R. Panos

Aeroflex Test Solutions – staffed with experts in the RF and microwave signal generation and processing subsystems, the Test Solutions Group provides test and measurement systems, instruments, modules, services and integration support for communications test, military, government and semiconductor industries. As a leader in test and measurement, our solutions reflect a commitment to industry-accepted standards and the concept of modular product development.

Systems/Subsystems, Test and Manufacturing Equipment

Aerowave Inc. 1211
Medford, MA

L. Kozul, K. Kozul

Millimeter-wave components and hardware.

Attenuators, Couplers, Hybrids, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Aethercomm Inc. 505
San Marcos, CA

F. Chavez, T. Thornton, D. Barnas

Aethercomm Inc. designs and manufactures military hardware with frequencies ranging from 10 MHz to 40 GHz. A supplier of high power linear and pulsed RF, microwave and millimeter wave amplifiers for military, satellite communications and commercial wireless customers both domestic and international.

Amplifiers

Agilent EEsof EDA 1023
Santa Rosa, CA

K. Kistling

Agilent EEsof EDA is the leading supplier of Electronic Design Automation (EDA) software for high-frequency system, circuit, and modeling applications. Their applications include signal integrity as well as RF and microwave amplifier, mixer and filter design



for commercial wireless, aerospace and defense markets.

Software

Agilent Technologies 1023
Palo Alto, CA

L. Brown-Scott

Agilent Technologies, the world's premier measurement company, provides the industry's broadest portfolio of innovative design and test solutions, services, and support to RF/uW engineers responsible for bringing to market leading-edge products used throughout today's wireless communication and aerospace/defense industries.

Attenuators, Mixers/Modulators/Detectors, Printed Circuit Boards, Services, Systems/Subsystems, Test and Manufacturing Equipment

Akon Inc. 1111
San Jose, CA

S. Sareen, S. Sareen, R. Gomez

Akon Inc. designs and manufactures microwave components and subsystems including ins frequency measurement receivers, DLVAs, SDLVAs, ERDLVAs, converter assemblies, microwave amplifiers and sub-assemblies. Innovation and state-of-the facilities allow Akon to provide its customers with high reliability products to meet their most challenging requirements.

Amplifiers, Phase Shifters, Signal Processing Components, Synthesizers, Systems/Subsystems

Aldetec Inc. 1709
Sacramento, CA

Allrizon-TG Communications Equipment 507
Shanghai, China

American Microwave Corp. 414
Frederick, MD

E. King, R. Afable

Active and passive components and subsystems for radar and communications.

Amplifiers, Attenuators, Mixers/Modulators/Detectors, Switches

American Standard Circuits Inc. 856
West Chicago, IL

B. Patel, W. Barnes

Fabricator of RF and microwave printed circuit boards as well as digital circuit boards. We specialize in heat sinks and bonded assemblies from quick turn prototypes to high volume production. We have CNC capabilities and all final finishes in house.

Amplifiers, Antennas/Radomes, Couplers, Filters, Materials, Printed Circuit Boards

American Technical Ceramics 501
Huntington Station, NY

R. Fiore, J. Tierney

ATC designs and manufactures multilayer capacitors, single layer capacitors, resistive products, inductors, custom thin film products and LTCC products for RF,

microwave and millimeter-wave applications. ATC's enhanced 545L ultra-broadband 0402 capacitor (UBCTTM) is now available in both 10 and 16 WVDC with operating frequency of 16 KHz through 40+ GHz.

Hybrids, Resistors/Capacitors/Inductors,

Ametek HCC Industries 1508
Rosemead, CA

D. Moore

Ametek HCC Industries is a premier US designer and manufacturer of glass-to-metal and ceramic-to-metal hermetically sealed microelectronic packages; connectors; and terminals/headers. With over 60 years experience, we serve the following markets: telecommunications, aerospace/defense, automotive, petrochemical, and industrial sensors. Completely vertically integrated, HCC specializes in small and high volume manufacturing.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Diodes/FETs/Transistors, Hybrids, Isolators/Circulators, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Power Supplies, Resistors/Capacitors/Inductors, Switches

Ametek Specialty Metal Products 1506
Wallingford, CT

R. Cooper

Ametek Specialty Metal Products is a leader in metal powder, strip, wire and bonded products. It offers a full line of advanced metal matrix composites for electronic thermal management. Its product line includes molybdenum-copper (AMC series), tungsten copper (AWC series), silicon carbide aluminum (Al-SiC) and copper clad molybdenum-copper (Mo-Cu) composites.

Materials, Optoelectronic Components/Fiber Optics

AML Communications Inc. 511
Camarillo, CA

J. Inbar, E. McAvoy, D. Alagh

Displaying a selection of application specific complex thin film integrated assemblies plus low noise, medium and high power amplifiers from 100 MHz to 40 GHz. New products include a 2 watt 26 to 40 GHz power amplifier and an IEEE 488.2 controller available for rack mounted amplifiers.

Amplifiers

AmpliTech Inc. 713
Holbrook, NY

W. Rojas, F. Maqbool

AmpliTech designs and develops custom and standard amplifiers (up to 90 GHz and 1 Watt) for both military and commercial applications. We use the latest state-of-the-art technology at the highest quality with a full 3 year warranty. Amplifiers offered: ultra low noise, cryogenically-cooled, space qualified, waveguide (SATCOM), limiting, phase matched, temperature compensated.

Amplifiers, Hybrids, Optoelectronic Components/Fiber Optics, Oscillators, Services, Systems/Subsystems, Waveguide/Waveguide Components

Analog Devices Inc. 1616
Norwood, MA

Analog Devices has a broad portfolio of RF ICs including complete chipsets and a full range of high-performance RF function blocks, including direct digital synthesizers; phase-locked loop synthesizers; detectors and logarithmic operational amplifiers; fixed and variable-gain amplifiers; TruPwrTM RF power detectors; mixers, modulators and demodulators; and integrated IF amplifiers.

Amplifiers, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, RFICs, Synthesizers

AnaPico AG 442
Zurich, Switzerland

Dr. U. Lott

AnaPico AG is a leader in high-speed components and subsystems for applications in test and measurement of wireless systems and fast waveform analysis. AnaPico's featured products are a 35 GHz sampler for applications in equivalent time sampling oscilloscopes and microwave sampling receivers, and components for active probes and field probes.

MMICs, RFICs, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment

Anaren Inc. 1016
East Syracuse, NY

B. Barrett

Xinger-II[®] brand components. RF Power brand resistives. Advanced ceramic solutions. Consumer components. And more all await you at Anaren (booth #1016). Come let us put "What'll we think of next?" to work for what you're thinking of next. Anaren Inc., 6635 Kirkville Road, East Syracuse, NY, 13057. T: 800-411-6591. F: 315-432-9121. www.anaren.com

Amplifiers, Attenuators, Couplers, Hybrids, Isolators/Circulators, Power Dividers, Resistors/Capacitors/Inductors, Signal Processing Components, Terminations

Anritsu Co. 423
Richardson, TX

With over 110 years of global communications technology leadership, Anritsu provides the RF/microwave, telecom, optical, and wireless industries with sophisticated test and measurement instruments as well as components for R&D, manufacturing, field installation, and maintenance. Anritsu's handheld and benchtop instruments address the full spectrum of RF/microwave and wireless applications.

Optoelectronic Components/Fiber Optics, Test and Manufacturing Equipment

Ansoft Corp. 701
Pittsburgh, PA

Ansoft is the leading provider of electromagnetics and circuit simulation software for high-performance RF and microwave design. Perform harmonic balance and transient analysis of complex circuits with large S-parameter blocks using Nexxim and HFSS. Design and optimize RFICs, transceivers, antennas with feed structures, and advanced 3D packaging with electromagnetics accuracy.

Software

Antenna Systems & Technology Mag. Greenwood Village, CO	B1N		tions and have a variety of medical, scientific and industrial applications.		ASB Inc. has more than 10 years' expertise in RFIC and module technology. We have a world-level cost effective SiGe HBT process with more than 100 patents. State-of-the-art RF products from the chips to the system are produced.
APA Wireless Fort Lauderdale, FL <i>E. Fenton, S. McGann</i> Manufacturer of oscillators, synthesizers and filters. <i>Filters, Oscillators, Services, Synthesizers</i>	1256		<i>Amplifiers, Systems/Subsystems, Test and Manufacturing Equipment</i>		<i>Amplifiers</i>
Apollo Microwaves Ltd. Pointe Claire, QB, Canada <i>N. Voulouamos, V. Vouloumanos</i> Apollo is a leading supplier of passive microwave components and sub-systems for the global telecommunications market. The company develops and manufactures a wide range of standard and custom-engineered terrestrial microwave components and sub-systems operating from 900 MHz to 60 GHz. <i>Couplers, Filters, Hybrids, Isolators/Circulators, Phase Shifters, Power Dividers, Systems/Subsystems, Terminations, Waveguide/Waveguide Components</i>	644	1200	AR RF/Microwave Instrumentation Souderton, PA AR RF/Microwave Instrumentation manufactures and distributes high-power broadband amplifiers from DC to 45 GHz, 1-50,000 watts. Also available is a full line of test accessories including antennas, field monitoring equipment signal generators and much more. <i>Amplifiers, Antennas/Radomes, Couplers, Software, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components</i>	1452	Assemblies Inc. Warner Robins, GA <i>J. Daniel Jr., J. Daniel III</i> Specializing in low loss, high performance cable assemblies and connectors. Now offering assemblies and testing to 65 GHz. <i>Connectors/Cable/Adapters</i>
Applied Specialties Inc. Beltsville, MD <i>D. DeJulis</i> Make up to 60 different adapters and coaxial cable assemblies from adapter kits. Models for 1 GHz, 8 GHz and 18 GHz. Prices from \$160. <i>Amplifiers, Attenuators, Isolators/Circulators, Terminations</i>	712	1535	ARA Beltsville, MD ARA designs and manufactures antennas and accessories for military and commercial applications. In addition to the extensive line of antennas, the company offers towers/masts, rotators/positioners, turntables, amplifiers, and fiber optic links. <i>Antennas/Radomes</i>	1539	Astrolab Inc. Warren, NJ <i>S. Toma</i> Astrolab designs and manufactures RF and microwave components for military, space, medical and commercial applications including cable, connectors, cable assemblies and other components. <i>Connectors/Cable/Adapters, Phase Shifters, Waveguide/Waveguide Components</i>
Applied Thin-Film Products Fremont, CA <i>D. Adams, F. Pietroforte</i> Applied Thin-Film Products (ATP) is the leading thin-film manufacturer for a wide range of materials and metalization schemes. Circuit features can include fine pitch large couplers, conductors, integrated resistor, hollow plated vias, solid filled vias, enhanced vias, double-sided patterning, polyimide air bridges, and pre-deposited Gold/Tin (AuSn). <i>Hybrids, Materials, Printed Circuit Boards, Resistors/Capacitors/Inductors,</i>	1723	1207	ARC Technologies Inc. Amesbury, MA <i>T. Durant, R. Welch, B. Gilmore, S. Richards</i> ARC Technologies is a leader in solutions for interference control including a broad range of microwave absorbers and composites. ARC's new wave-x thin, low-frequency near-field absorbers are an ideal solution to EMI problems. ARC products are used in commercial and defense markets and are distributed worldwide. <i>Antennas/Radomes, Materials, Shielding, Waveguide/Waveguide Components</i>	1707	ATTEN Electronics Co. Ltd. Shenzhen, Guangdong, China <i>H. Yan, T. Yong Jun, W. Hui</i> RF training system. Microwave components. Spectrum analyzer. Oscilloscope. Power supply. Soldering station. Rework station. Attenuators. Waveguide components. <i>Amplifiers, Attenuators, Couplers, Mixers/Modulators/Detectors, Power Dividers, Power Supplies, Test and Manufacturing Equipment, Waveguide/Waveguide Components</i>
Applied Wave Research Inc. El Segundo, CA <i>L. Groat</i> Applied Wave Research Inc. (AWR) is showcasing the latest version of its Microwave Office design suite, which offers unprecedented openness and interoperability, enabling ease-of-use and access to best-in-class tools. The latest release continues to deliver key productivity improvements that shorten design cycle time and speed time-to-market for RF/microwave products. <i>Software</i>	623	1752	Arlon Rancho Cucamonga, CA <i>J. Frankosky, R. Horning</i> Arlon MED manufactures a full line of laminates and bonding materials for production of low loss and frequency-sensitive PWBs in microwave and RF applications. CLTE-XT is Arlon's new Best-in-Class platform for radar and other applications requiring phase stability over a wide range of ambient temperatures. <i>Materials</i>	1642	Auriga Measurement Systems Lowell, MA <i>D. Menzer</i> Auriga Measurement Systems is a manufacturer of custom automated equipment and components and provider of modeling, design, and characterization services. By delivering improved solutions for high frequency, high powered, complex RF microwave front ends, Auriga provides time and cost-efficient solutions to the industry's leading RF/microwave users. <i>Services, Software, Test and Manufacturing Equipment</i>
AR Modular RF Bothell, WA AR Modular RF manufactures RF amplifier systems (0.01-6000 MHz, 5-3000 watts) and RF modules (0.01-6000 MHz, 5-500 watts) that play a critical role in wireless communications, military communica-	1200	1510	Artech House Norwood, MA <i>M. Walsh, S. Schott</i> Always at the forefront in publishing professional-level books and software for microwave engineers, Artech House invites IMS 2007 attendees to visit our booth, browse, and save 20% on classic and just-published titles, including: Foundations of Oscillator Circuit Design by Guillermo Gonzalez, and Phase-Locked Loop Engineering Handbook for Integrated Circuits by Stanley Goldman. <i>Publications, Software</i>	1623	Avnet Electronics Marketing Phoenix, AZ <i>K. Hatfield, A. Revere, M. Millholin</i> Avnet Electronics Marketing is one of the world's largest technology, distribution and services companies, offering leading design chain services combined with world-class supply chain services in support of the electronics industry. Avnet features the industry's broadest line card of RF and microwave active components. <i>Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids,</i>



Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Printed Circuit Boards, Publications, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services, Shielding, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Tubes

B&Z Technologies 1255
Stony Brook, NY

Barry Industries Inc. 913
Attleboro, MA
R. Schmidt, M. Liu

Power and precision thick film terminations, resistors and attenuators on Alumina, BeO and ALN. LTCC multilayer foundry, design and production facility, products to 65 GHz and beyond. High power ceramic packages. Precision electroplating.

Antennas/Radomes, Filters, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Phase Shifters, Printed Circuit Boards, Resistors/Capacitors/Inductors, Terminations

BeMiTec AG – Ferdinand-Braun-Inst 852
Berlin, Germany

F. Lenk, W. Heinrich, J. Wuerfl

BeMiTec AG offers GaN high-power HEMTs e.g. for basestations. Transistors with 30 W cw output power and more than 15 dB linear gain at 2 GHz come with a 50 Ohm evaluation board for easy testing. BeMiTec is a spin-off of Ferdinand-Braun-Institut, Berlin, Germany. www.bemitec.com

Amplifiers, Diodes/FETs/Transistors

Besser Associates Inc. 1006
Mountain View, CA

R. Frobenius, J. Lange, A. Wong

Founded in 1985, Besser Associates delivers live and alternative media training to professionals working with RF, wireless, digital, and networking technologies. We have trained over 45,000 people in these industries.

Antennas/Radomes, Printed Circuit Boards, Services, Software, Synthesizers, Systems/Subsystems

BL Microwave Ltd. 404
HeFei, Anhui, China

Y. Li, T.K. Qin

BL Microwave is a high-technology enterprise specializing in the design and manufacture of microwave filters. BL Microwave products, in terms of function: low-pass, high-pass, band-pass, and band-reject filters; and in terms of structure: LC, cavity, ceramic, waveguide, tubular filters.

Filters, Switches, Waveguide/Waveguide Components

Bliley Technologies Inc. 1629
Erie, PA

M. Matthews

Bliley Technologies, a leader in designing/manufac-

turing quartz oscillators and crystals. Bliley has over 75 years of experience in designing/manufacturing frequency control products used in VSAT, up/down converters, satellites, timing/navigation, telecommunications, and instrumentation. Crystals range from general purpose to radiation hardened/high reliability. Oscillators range from clock to precision SPACE ovenized.

Oscillators

Boonton Electronics 1117
Parsippany, NJ

J. Berte, R. Theiss

Boonton Electronics (a Wireless Telecom Group Company) continues to set the standard for CW and peak power measurements. On display will be our new 4540 Series Peak Power Meter, industry leading 4500B peak power analyzer and wide range high performance power sensors.

Test and Manufacturing Equipment

Bowei Integrated Circuits Co. Ltd. 402
Shijiazhuang, Hebei, China

Brush Ceramic Products 519
Tucson, AZ

D. Handley, J. Scheatzle

Beryllium Oxide ceramics produced by Brush Ceramic Products enables components in microwave technology to operate at higher temperatures, providing thermal conductivity second only to diamond, dissipating nearly 300W/mK at room temperatures ten times greater than Al₂O₃ and double AlN. New for 2007: higher thermal conductivity (325 watt) BeO available 3Q2007.

Materials

C-MAC MicroTechnology 1606
Buckinghamshire, UK

Cadence Design Systems Inc. 528
San Jose, CA

Cadence enables global electronic-design innovation and plays an essential role in the creation of today's integrated circuits and electronics systems. Customers use Cadence software and hardware, methodologies, and services to design and verify advanced semiconductors, printed circuit boards and systems used in consumer electronics, networking and telecommunications equipment, and computer systems. More information about the company is at www.cadence.com.

Software

California Eastern Labs 743
Santa Clara, CA

S. Almanza

California Eastern Laboratories is the NEC Electronics Corporation's exclusive sales and marketing partner for RF, wireless, optoelectronic and fiber optic semiconductor products in the Americas. CEL will be exhibiting its latest NEC silicon and GaAs RFICs, transistors, switch ICs, small signal and power GaAs FETs. Visit us at www.cel.com.

Amplifiers, Diodes/FETs/Transistors, Hybrids, MMICs, Optoelectronic Components/Fiber Optics, RFICs, Switches

CAP Wireless Inc. 1448
Newbury Park, CA

S. Behan, RE Hoover

High performance low noise and power amplifiers, spatially combined amplifiers, specialty and custom amplifier subassemblies.

Amplifiers

Cascade Microtech 1143
Beaverton, OR

C. Sasaki

Cascade Microtech is a worldwide leader in precise electrical measurement of wafers, ICs, PCBs, MEMS and more. WinCal XE software: simple powerful RF measurement tools for accurate and fast results, ensuring correct RF system setup, automatic calibration and validation, and easy 4-part calibration with new calibration algorithms and guided setup.

Test and Manufacturing Equipment

Centellax Inc. 1157
Santa Rosa, CA

R. Bhasin

Centellax delivers low-cost, high-performance test instruments, test accessories and electrical components for high speed communications and signal integrity applications worldwide. Products include a 10G BERT, 10G/40G PRBS generators, ultra-broadband amplifier modules, and a 40G BERT system. Centellax also offers an AnyRate electrical CRU and broadband clock synthesizer. For info: www.centellax.com.

Amplifiers, MMICs, Synthesizers, Test and Manufacturing Equipment

Ceramic Products Group 1104
Cazenovia, NY

S. Butcher, C. Sizemore, B. Nyulassy, B. Rebeck, M. Roach, B. Crowley, J. McDaniel, C. Song

Ceramic Products Group (CPG) is the combination of four Dover Corporation capacitor companies: Dielectric Laboratories, Novacap, Syfer and Voltronics. We make special passive components including high Q, high voltage and high temperature MLCs, single layer and precision variable capacitors, EMI filter products and thin film filters and resonators. We probably have the widest selection of custom/application specific product offerings in the world.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Filters, Hybrids, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors

Cernex Inc. 446
Sunnyvale, CA

Chengdu AINFO Inc.
Chengdu, China

Ciao Wireless Inc. Camarillo, CA <i>G. Wasylewski, J. Chao</i> Ciao features RF amps from DC to 30 GHz, including: broadband, low noise, limiting, medium power, gain attenuated and octave band amplifiers. Catalog and custom models available with 1-2 weeks ARO delivery. <i>Amplifiers, Attenuators, Systems/Subsystems</i>	601	<i>W. Jensen, D. Jones</i> Corning Gilbert pioneered the GPO®, GPPO® and G3PO™ connectors-leading the industry gold standard for coaxial push-on interconnect solutions. Today, these connectors are increasingly seen as the high frequency interconnect solution of choice in military, satellite, wireless and telecommunications applications. Custom design solutions are available in multiposition blocks, hermetic shrouds, cable connectors, PCB mounts, blindmate interconnects (BMI) loads & adapters. <i>Connectors/Cable/Adapters</i>		watts to 150 watts available. New pulse amplifiers; 1 Kw peak at 500 MHz (10% duty cycle). New 30 GHz power amplifiers 2, 4, and 8 watts available. <i>Amplifiers, Systems/Subsystems</i>
Circuits Processing Technology Oceanside, CA <i>J. Occhipinti, Z. Aslett</i> CPT, a thick film circuitry manufacturer with over 20 years experience in the fabrication of unique circuit design solutions, offers proprietary circuit advances (ECP) for applications within the aerospace, automotive, high frequency (to 100 GHz+), medical, microwave, military, optical, RF and telecom electronics industries. <i>Couplers, Filters, Hybrids, Optoelectronic Components/Fiber Optics, Resistors/Capacitors/Inductors, SAW Devices, Waveguide/Waveguide Components</i>	519	CPI Canada Georgetown, ON, Canada Crane Aerospace & Electronics Chandler, AZ <i>B. Pemberton</i> Our Microwave Systems Solutions, Signal Technology brand, focuses on custom microwave subsystems, modules and components with facilities in Beverly Massachusetts, and Chandler Arizona. Crane Aerospace & Electronics, Electronics Group, designs and manufactures high-reliability electronics for defense, aerospace and space applications. We offer solutions in Power, Microwave Systems, Electronic Manufacturing and Microelectronics. <i>Amplifiers, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Synthesizers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components</i>	1357	Cuming Microwave Corp. Avon, MA <i>M. Kocsik, J. DaSilva</i> Offers a comprehensive product line of: anechoic chambers, freespace materials, dielectric materials, RF and microwave absorbers, and syntactic foams. <i>Antennas/Radomes, Materials, Shielding</i>
Cobham DE5 Bolton, MA	1035	Cree Inc. Durham, NC <i>T. Dekker, R. Pengelly, J. Milligan, R. Baker</i> Cree Inc. is a market-leading supplier of SiC MES-FET and GaN HEMT power transistor devices for wireless communications. Products include discrete packaged transistors, modules, and MMICs for applications ranging from DC to millimeter wave. The commercial product offering includes devices for general purpose and WiMAX applications. <i>Amplifiers, Diodes/FETs/Transistors, MMICs</i>	631	Custom Cable Assemblies Inc. Warner Robins, GA
Coining of America LLC Saddle Brook, NJ	952	CST of America Inc. Wellesley Hills, MA <i>N. Lebedeva, M. Cam</i> CST develops and markets software for the simulation of electromagnetic fields. Founded in 1992, CST has continuously enhanced its position as market and technology leader in 3D Time Domain simulation. With over 100 employees worldwide and a network of qualified distributors, 140 people are dedicated to the developing and supporting of our EM products in more than 30 countries. <i>Software</i>	735	Custom Microwave Components Inc. Fremont, CA <i>G. Mau</i> Established in 1982 and located in the San Francisco bay area, the company designs and manufactures fine microwave control devices, multi-function assemblies, and subsystems. <i>Attenuators, Couplers, Filters, Hybrids, Phase Shifters, Power Dividers, Systems/Subsystems, Switches</i>
COM DEV/CodeOne Cambridge, ON, Canada <i>D. Cromarty</i> CodeOne™ software manages your test program from specification input through calibration, acquisition, analysis and reporting. It captures all test parameters without the need to write new code. CodeOne™ is a proven enterprise solution for high mix, low volume, and high reliability production, such as aerospace, defense and medical equipment testing. <i>Services, Software, Test and Manufacturing Equipment</i>	1213	Delta Electronics Mfg Corp. Beverly, MA <i>D. Delaney, M. Reagan, T. Hannan</i> Delta Electronics Mfg. Corp. is a full line commercial and military global manufacturer of RF, microwave and millimeter-wave connectors. Our new facility in Nanjing, China, is available to service your connector and value added requirements. The latest millimeter-wave connector offerings include 27 GHz SMAs, 2.92mm, 2.4mm and a variety of SMP.SMPM listings. <i>Connectors/Cable/Adapters</i>	1519	dBm Wayne, NJ <i>M. Cagney</i> Low cost signal generators, carrier/noise generators, frequency converters and satellite link emulators. <i>Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment</i>
Compex Corp. West Berlin, NJ <i>D. Gordon, J. Weaver</i> Family owned and operated since 1976, the specialist in single-layer ceramic parallel-plate microwave chip capacitors including ultra high K X7R. Full line of submounts and conductive mounting shorts. Gold, tin and silver terminations on most parts. Delivery in days. New 72 hour custom thin film and laminate boards. <i>Materials, Resistors/Capacitors/Inductors</i>	1013	Delta Microwave Oxnard, CA <i>R. Schulz, G. Schulz, D. Bowler</i> Manufacturer of high reliability band pass filters, diplexers, filter/amplifiers for space, military and commercial applications. Since 1973. <i>Amplifiers, Filters, Hybrids, Waveguide/Waveguide Components</i>	1638	Delta RF Technology Inc. Reno, NV <i>S. Kazarian, B. Todd</i> Delta RF Technology supplies pallet amplifiers and amplifier modules, cost effective high performance building blocks for use in VHF/UHF television, FM ra-
Component Distributors Inc. Denver, CO	1049	CTT Inc. Sunnyvale, CA <i>D. Dzura</i> 60 new LNAs; 2 GHz through 20 GHz. New GaN power amplifiers; .5 GHz to 2.5 GHz (10% bandwidth) 10	1113	
CoorsTek Golden, CO	1613			
Corning Gilbert Inc. Glendale, AZ	1007			



dio, communications, jammers, etc. and high power self contained amplifiers with cabinet, fans, monitor control, and power supply. Amplifiers from 500 KHz to 3 GHz and miliwatts to kilowatts.

Amplifiers

DeWeyl Tool Co. 1249
Petaluma, CA

S. Cline-Blow, B. Cline, J. Navarro

Deweyl provides the finest quality bonding wedges in the world. Located in Petaluma, CA, Deweyl's primary business is manufacturing wire bond wedges, and custom high precision tooling for the semiconductor, aerospace, and medical industries. Deweyl produces wedges made from ceramic, titanium, and tungsten carbide for small and large round wire and ribbon.

Amplifiers, Attenuators, Filters, Hybrids, MMICs, Phase Shifters, Power Dividers, Power Supplies

Diamond Antenna & Microwave Corp. 1619
Littleton, MA

P. Hocknell, J. MacMillan, J. van Gent, G. Riviezzo

Diamond has been designing and manufacturing precision rotary joints and Roll-Rings® for 50+ years. We are in production on many SOTM and airborne SATCOM platforms as well as radar and air traffic control systems.

Couplers, Millimeter-wave Components, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Dielectric Laboratories Inc. 1105
Cazenovia, NY

M. Busse, B. DuPell, D. Bates, S. Randall, J. Roher

DLI, the tight tolerance, custom requirement specialist, is a global supplier of microwave and millimeter-wave ceramic components for optical and wireless communication, military, medical, semiconductor, aerospace and transportation markets. DLI's Disruptive Technologies Resonators and Filter set the pace for new and innovative products that will be displayed at the MTT-S show.

Filters, Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Oscillators, Resistors/Capacitors/Inductors, Signal Processing Components, Synthesizers

DiTom Microwave Inc. 712
Fresno, CA

M. Weisz, S. Blanchette

Manufacturer of ferrite isolators and circulators. Your high frequency and broadband expert in ferrite devices. Over 75 items in stock. E-commerce store available online.

Isolators/Circulators

Dorado International Corp. 712
Seattle, WA

A. Redko, L. Afonina, E. DeWater, C. Puetz

Horn antennas, microstrip isolators/circulators, waveguide and coaxial isolators/circulators, passive waveguide parts: bends, twists, straights, couplers, attenuators, terminations.

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Isolators/Circulators, Materials, Millimeter-wave Components, Terminations, Waveguide/Waveguide Components

Dow Key Microwave 1102
Ventura, CA

L. Neeley, S. Wightman, A. Cheung, V. Harter, C. Ciezarek

Dow-Key Microwave, a Dover Corporation company, has been a leader in design and manufacture of products to direct RF energy since 1945. Dow-Key is showcasing its new and existing products from individual switches to integrated switching solutions, including its standard switch matrix line and custom RF systems.

Systems/Subsystems, Switches

Ducommun Technologies Inc. 456
Carson, CA

M. Palakian, Y. Shu, T. Holguin

Ducommun Technologies is a premier microwave and millimeterwave manufacturer, offering standard components, custom components and subsystems to cover the frequency range up to 140 GHz. Our nine product families include millimeterwave amplifiers, control devices, ferrite devices, frequency converters, Gunn oscillators, passive components, subsystems and coaxial switches.

Amplifiers, Antennas/Radomes, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Waveguide/Waveguide Components

Dynawave Inc. 1031
Haverhill, MA

T. Scannelli, D. Cook

Dynawave designs, develops and manufactures RF and microwave interconnect solutions. Our product diversity includes connectors, terminators, test adapters, attenuators, delay lines, harnesses and low cost test and system cable assemblies. Dynawave's connector interfaces: SMA, SSMA, SMB, SMC, SMP, SMPM, SMPSM, SMT, BMA, BMAM, MCX, MMCX, TNC, KTNC, N, HN, SC, 7/16, 2.4mm, 2.92mm and 3.5mm.

Connectors/Cable/Adapters

e2v Technologies 751
Chelmsford, Essex, UK

EADS NA Defense Test & Services 1254
Irvine, CA

EADS North America Defense Test and Services features modular switching and signal sources – COTS to configurable – for a wide variety of RF and microwave applications regardless of test platform. From off-the-shelf switching and instrumentation products to complete turnkey test systems, we are the supplier of choice.

Attenuators, Synthesizers, Switches, Test and Manufacturing Equipment

Eagle Comtronics 1731
Liverpool, NY

D. Hauf, J. Harrington, B. Louise, M. Sweeney

Thirty years of experience manufacturing RF/microwave/wireless filters and components. Specializing in LC, tubular and cavity filters for 50 and 75 Ohm systems. Custom designs available with fast turnaround. Components include toroids, chokes, and air coils from 12 awg to 30 awg. Automated assembly equipment for large volume orders.

Filters, Resistors/Capacitors/Inductors

Eclipse Microwave Inc. 712
San Jose, CA

J. Rapadas, GP Chin, YK Soo

Eclipse Microwave is a premier supplier of microwave components for the military and wireless communication industry. Our standard products include microwave mixers, frequency doublers, microwave detectors, and microwave Pin diode limiters. Triple-balance mixers, double-balance mixers, ISO-mixers, image reject mixers, I-Q modulator, frequency doublers, frequency doubler-amplifier, Schottky diode detectors, tunnel diode detectors, tunnel diode threshold detectors, and more.

Amplifiers, Attenuators, Couplers, Diodes/FETs/Transistors, Mixers/Modulators/Detectors, Signal Processing Components, Systems/Subsystems

Elcom Technologies Inc. 1742
Rockleigh, NJ

Electro Rent Corp. 1110
Van Nuys, CA

P. Chu, J. Hart

Electro Rent, a leading test equipment supplier for rent/lease/sell/trade since 1965 with offices in US/Canada/China/Europe, carries the latest spectrum analyzers, signal generators, network analyzers, RF power meters/sensors, RFI/EMI analyzers, noise figure analyzers, phase noise measurement solutions, and more, from Agilent, Anritsu, Boonton, Rohde & Schwarz, Tektronix, etc. www.electrorent.com or 800-688-1111.

Amplifiers, Power Supplies, Services, Synthesizers, Test and Manufacturing Equipment

Electromagnetic Technologies Inds. 416
Boonton, NJ

S. Liebezeit

ET Industries is a high technology leading edge company specializing in the design, development and manufacture of the state-of-the-art radio and microwave frequency narrowband and wideband subsystems and components.

Antennas/Radomes, Attenuators, Couplers, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Waveguide/Waveguide Components

Elisra Electronic Systems Ltd. 1522
Bene Beraq, Israel

E. Genges

Elisra is a recognized leader in sophisticated electronic systems and components for defense and civilian markets. Elisra Microwave Division has over 35 years of proven experience in supplying best of class subassemblies for a wide variety of RF and microwave applications covering the frequency range of 1 MHz to 50 GHz.

Amplifiers, Hybrids, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Synthesizers, Systems/Subsystems, Switches

EM Photonics 412
Newark, DE

E. Kelmelis

EM Photonics is a recognized leader in the modeling and simulation of electromagnetic systems. We provide CAD tools and accelerated simulation engines (based on graphics card and FPGA technology), capable of massively reducing design cycles. Our most recent product, FastFDTD, is a free graphics-card based accelerator for electromagnetic simulations.

Software

EM Research Inc. 854
Reno, NV

EM Software & Systems (PTY) Ltd. 454
Stellenbosch, South Africa

R. Kellerman

Feko www.feko.info is a comprehensive Computational Electromagnetics (CEM) code based on the accurate "full wave" Method of Moments. The leading MLFMM and the MoM hybrid with asymptotic high frequency techniques (PO and UTO) allows simulation of electrically large problems, e.g. antenna placement. Several techniques including Finite Element Method (FEM) available for dielectric regions.

Antennas/Radomes, Software, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components

EMAG Technologies Inc. 1434
Ann Arbor, MI

K. Sabet

EMAG Technologies Inc. is a provider of innovative RF front end solutions. The company offers commercial and custom visual CAD tools for analysis and design of microwave antennas, circuits and wireless systems. Other services include design, prototyping, test and measurement of integrated antennas and RF front end systems.

Antennas/Radomes, Millimeter-wave Components, Software

EMC Technology Inc. 926
Stuart, FL

G. Moore, D. ernstein, A. Feizu

RF passive power components for microwave and RF applications for the telecom, space, aerospace, military, medical, industrial, automotive, transportation, and instrumentation market.

Attenuators, Couplers, Power Dividers, Resistors/Capacitors/Inductors, Terminations

EMCO Elektronik GmbH 442
Planegg, Germany

C. Seel, M. Friederich

Sales representatives for US located companies in Germany, Austria, Switzerland for RF and microwave test and measurement equipment and components.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Terminations

Emerson & Cuming 1353
Billerica, MA

Emerson & Cuming Microwave Products 1511
Randolph, MA

M. Plante, J. DelPrete, M. Carpenter

Emerson & Cuming Microwave Products is the recognized global leader and ISO 9001:2000 manufacturer of RF and microwave absorbing materials for interference control using ECCOSORB® brand for wireless communications, defense and aerospace, automotive, medical, and RFID. Log on to our newly renovated website, where we feature new and improved tools and valuable information for the design engineer! www.eccosorb.com. Visit us at booth 1511.

Antennas/Radomes, Materials, Shielding, Terminations, Waveguide/Waveguide Components

Emerson Network Power Connectivity 835
Bannockburn, IL

J. Sybilrud, R. Fontenot, B. Laverty, R. Pawson

Emerson Network Power Connectivity Solutions is a global manufacturer of connectivity products supporting wireline and wireless communications, networking, RF/microwave, test and measurement, broadcast, medical, military and industrial applications.

Attenuators, Connectors/Cable/Adapters, Couplers, Phase Shifters, Power Dividers, Terminations, Waveguide/Waveguide Components

Emhiser Micro-Tech 422
Verdi, NV

Endwave Corp. 1543
San Jose, CA

ETS-Lindgren 1056
Cedar Park, TX

Eudyna Devices Inc. 1227
San Jose, CA

W. Gould, C. Burnett

Eudyna manufactures a complete range of microwave field effect transistors and GaAs MMICs for use in communications and radar systems from 900 MHz to 76 GHz. Applications include terminal and infrastructure for cellular, wireless, LAN systems, terrestrial radio link, satellite telemetry and satellite system uplink and downlinks, phased array radar, DBS receivers, etc.

Amplifiers, Diodes/FETs/Transistors, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Switches

European Microwave Week 1615
London, UK

Excelcis Semiconductor Inc. 516
Sunnyvale, CA

J. Harris, A. Herbig, J. Meyers

Field effect transistors, MMICs, IMPFETS.

Diodes/FETs/Transistors, Millimeter-wave Components, MMICs

F&K Delvotec Inc. 1657
Foothill Ranch, CA

J. Ettipio, S. Kazemi

F&K Delvotec offers a wide range of equipment including automatic, semi-auto and manual fine wire wedge bonders, ball bonders, ribbon bonders and heavy wire bonders. We also offer test equipment for wire pull, die shear, ball shear, and ultrasonic transducer systems.

Amplifiers, Hybrids, Services, Systems/Subsystems, Test and Manufacturing Equipment

Fairchild Semiconductor 1343
Tyrngsboro, MA

S. Shah, J. Gildea

Linear RF power amplifiers and RF front end modules for WCDMA, HSDPA, WLAN, and WiMAX.

Amplifiers, Millimeter-wave Components, MMICs, RFICs

Farran Technology Ltd. 929
Cork, Ireland

Filtel Microwave Inc. 848
Vaudreuil-Dorion, QB, Canada

T. Crevier, J. Delgado, J. L'Ecuyer

Filtel specializes in the design and manufacture of high-performance cavity filters, diplexers, hot standby couplers, isolators, and circulators up to 50 GHz. Headquartered in Montreal, Canada, Filtel has recently opened a manufacturing center in Suzhou, China.

Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Terminations, Waveguide/Waveguide Components

Filtran Microcircuits Inc. 857
Ottawa, ON, Canada

S. Gilbert

Filtran Microcircuits is a producer of high precision bare PCBs for microwave applications. Filtran fabricates microstrip, bonded stripline, metal backed dielectric, and mixed dielectric multi-layer products. Typical applications include satellite, aerospace, telecommunications, navigation, military, and RF test equipment. Filtran is the owner of a unique, proprietary "Sputtered Blind Hole" process.

Printed Circuit Boards

Filtron Compound Semiconductors 1002
Newton Aycliffe, UK

S. Cornelius, G. Edwards, S. Knight

Filtron's compound semiconductor products ad-



dress markets that include transceivers for wireless infrastructure backhaul, mobile wireless communication terminal products, broadband communications and merchant compound semiconductors. Filtronic's well established line of pHEMT semiconductors includes MMIC amplifiers, discrete pHEMT devices for low noise and medium power applications, multifunction MMICs and an expanding range of switches. www.filtronic.com

Amplifiers, Millimeter-wave Components, MMICs, RFICs, Switches

Filtronic Sage Laboratories Inc. 1000
Hudson, NH

A. Collins, M. Wisner

Filtronic designs and manufactures RF/microwave components and integrated sub-systems for the ECM/ESM, radar, test & measurement, and anti-IED markets. Products span frequencies between dc-50 GHz and are available in off-the-shelf industry standards to custom designs. We engineer every new requirement to provide the best performing solution and value for the customer.

Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Synthesizers, Systems/Subsystems, Switches

Flexco Microwave Inc. 1542
Port Murray, NJ

D. Beene, R. Johansen, B. Pote Sr., B. Bright

Custom precision flexible coaxial cable assemblies "Since 1970". DC to 50 GHz. Due to our patented convoluted metal outer conductor design phase and amplitude stable during flexure and during temperature cycling. Phase matching 5,000s of flexible coaxial cable assemblies to each other. Flexco's flexible coaxial cables are inherently armored/rugged.

Connectors/Cable/Adapters

Florida RF Labs Inc. 926
Stuart, FL

G. Moore, D. Bernstein, A. Feizu

RF passive power components for microwave and RF applications for the telecom, space, aerospace, military, medical, industrial, automotive, transportation, and instrumentation market.

Attenuators, Couplers, Power Dividers, Resistors/Capacitors/Inductors, Terminations

Focus Microwaves Inc. 1643
Dollard-Des-Ormeaux, QB, Canada

C. Tsironis

Focus Microwaves, an innovative manufacturer of load pull and noise measurement systems, rises to the challenge of meeting the stringent requirements outlined by design and production labs. Standard and custom equipment including the multi-purpose tuner, ultra stable tuner and low frequency tuner available.

Software, Test and Manufacturing Equipment

Freescale Semiconductor 1635
Austin, TX

N. Castro

Supporting the rapid global transformation to a wireless world, Freescale Semiconductor is well positioned to provide industry leading end-to-end wireless solutions. From RF power amplifiers and signal processing components to cellular front-end solutions and system know-how, Freescale enables you to accelerate your designs to succeed in a rapidly changing market.

Amplifiers, Mixers/Modulators/Detectors, RFICs, Signal Processing Components

Gaiser Tool Co. 1611
Ventura, CA

General Dynamics C4, VertexRFI 1250
Torrance, CA

H. Spieleder

General Dynamics Torrance produces precision microwave components and sub systems for ground, airborne and space flight applications. Our products range from 1.5 GHz to 90 GHz, this includes 2-, 3- and 4-port diplexers (x-pol, co-pol, CP and linear), filters, triplexers, custom fabricated feed horns, couplers, and special waveguide components. <http://www.gdsatcom.com/microwave.html>

Filters, Waveguide/Waveguide Components

Gerotron Communication GmbH 442
Graefelfing, Germany

G. Schmidt, D. Grahle

Gerotron is a major European service company in the RF and microwave world and your partner when you are searching for a European sales manager, distributor or sales agent, market and sales strategy, customer research or to open a new office – we have the knowledge, manpower and space.

Antennas/Radomes, Attenuators, Diodes/FETs/Transistors, Hybrids, MMICs, Publications, RFICs, Services, Signal Processing Components, Systems/Subsystems, Test and Manufacturing Equipment

GGB Industries Inc. 1151
Naples, FL

Giga-tronics Inc. 1022
San Ramon, CA

R. Gill, D. Lum, J. Regazzi, J. Lum, K. Positeri

Giga-Tronics Inc. designs and manufactures a wide variety of products for use in a multitude of test and measurement applications. These products include generators, microwave frequency synthesizers, modular switches, modular instrumentation, power measurement instrumentation, signal sources, sweepers, and YIG components.

Oscillators, Synthesizers, Systems/Subsystems, Switches

GigaLane Co. Ltd. 444
Suwon, Gyeonggi-Do, Korea

R. Song

GigaLane is a world leader in the design, manufacture and marketing of RF and microwave connectors. Cable assemblies and components. GigaLane's main products are high performance SMA connectors, low

loss cable assemblies and RF test equipment which have low cost and high reliability solutions for wireless communication.

Connectors/Cable/Adapters, Terminations, Test and Manufacturing Equipment

Global Communication Semiconductors 653
Torrance, CA

S. Yu

The leading compound semiconductor wafer foundry services, provider with a broad technology portfolio and high volume production facility serving both the RF and optoelectronics industries.

Amplifiers, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, RFICs, SAW Devices, Services, Switches, Waveguide/Waveguide Components

WL Gore & Associates Inc. 1026
Elkton, MD

C. McAllister

Gore is a leading supplier of state-of-the-art high performance cable and cable assemblies for microwave and high speed applications. Other products offered by Gore include EMI board level shields and gaskets, prepreg material, thermal interface material and bulk cable. www.gore.com

Connectors/Cable/Adapters, Materials, Shielding

Gowanda Electronics 514
Gowanda, NY

D. Kohlhagen

Manufacturer of coils, inductors and various magnetics. Product includes application specific and standard catalog. Gowanda facilities are ISO 9001 and ISO 13485 certified.

Resistors/Capacitors/Inductors

Gryphics Inc. 406
Plymouth, MN

Gryphics specializes in the design, development and manufacture of low cost, high frequency sockets used in test, characterization, silicon and platform validation, and high-volume manufacturing (HVM) applications.

Connectors/Cable/Adapters, Test and Manufacturing Equipment

GT Microwave Inc. 604
Randolph, NJ

T. Bahiotis

GT Microwave is a designer and manufacturer of "state-of-the-art" microwave integrated components for use in ground base, shipboard, airborne and space-based applications. GT Microwave has amassed a customer base by providing the leading edge in performance of the highest quality products with on-time delivery.

Attenuators, Couplers, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Switches

Hantech Inc. Yong-Kang City, Tainan, Taiwan	1710	<i>Amplifiers, Attenuators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, RFICs, Synthesizers, Switches, Test and Manufacturing Equipment</i>	IMST GmbH Kamp-Lintfort, Germany <i>W. Simon, R. Follmann, A. Wien, D. Koether</i>	1154
HEI Inc. Victoria, MN <i>D. DeCosse</i>	1753	Holzworth Instrumentation LLC Boulder, CO <i>J. Koebel, J. Breitbarth, K. Kumagai</i>	IMST is an experienced and independent research and development company for mobile radio technology and microelectronics. We develop innovative solutions for all types of wireless communication and for radio-controlled sensor technology. IMST solutions: radio system engineering. IMST components: from IC to antenna. IMST products: advanced design tools. IMST services: test & approval, EMC, SAR, RF, antennas. IMST presents EMPIRE XCcel™, the ultimate design tool. <i>Amplifiers, Antennas/Radomes, Diodes/FETs/Transistors, Filters, Millimeter-wave Components, MMICs, Phase Shifters, Power Dividers, RFICs, Software, Waveguide/Waveguide Components</i>	
HEI Inc. designs, develops and manufactures micro-electronic packaging and high-density substrates for demanding high frequency applications. The company possesses a unique range of in-house capability for the fabrication of rigid PWBs, flex circuits and rigid flex circuits. In addition to HEI's exceptional substrate technology, the company offers a vast array of microelectronic solutions which include SMT attachment, precision die placement, wirebonding & RF testing to 50 GHz. <i>Hybrids, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Printed Circuit Boards</i>		Holzworth provides compact, high performance, cost effective test instruments that are USB programmable. This year, Holzworth is introducing DDS-based sources to the commercial marketplace that are optimized for very low phase noise and excellent spurious performance. Holzworth products are scalable for operation in large, multi-channel systems. <i>Synthesizers</i>		
Herley Industries Inc. Lancaster, PA	1034	HTMicrowave Co. Ltd. HeFei, AnHui, China <i>Y. Sun</i>	Infineon Technologies Milpitas, CA <i>K. Mar-Lam</i>	816
Herotek Inc. San Jose, CA <i>C. Lai, S. Lau, S. Hartman</i>	748	HTMicrowave Co. Ltd. is an independent privately-owned high technology enterprise with unique technical strengths in microwave technology research, RF and microwave components. We manufacture active and passive components for radar and communications. We can design and if required supply customer components, products and complete system solutions. <i>Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Power Dividers, Switches, Terminations, Waveguide/Waveguide Components</i>	Infineon Technologies provides a broad range of semiconductor solutions including UMTS/GSM reference designs, high power RF LDMOS transistors and ICs, BAW filters, SiGe transistors, MMICs, EMI/ESD passive integration, switches and diodes for wireless communication and automotive, industrial and multi-market sectors. For more information, visit us at www.infineon.com . <i>Amplifiers, Diodes/FETs/Transistors, MMICs, RFICs</i>	
Super wide-band, low-noise amplifiers, single unit covering .01 to 26 GHz. Detectors covering 18 to 40 GHz with integral preamplifiers for extremely low signal detection, -80 dBm or lower TSS. Other products include comb generators, limiters, switches and integrated subassemblies. <i>Amplifiers, Millimeter-wave Components, Mixers/Modulators/Detectors, Signal Processing Components, Switches</i>		IEEE Communications Magazine New York, NY	Inphi Corp. Westlake Village, CA	438
Hesse & Knipps Inc. San Jose, CA	1701	IEEE Microwave Magazine Piscataway, NJ <i>S. Schneiderman, R. Schneiderman</i>	Instruments for Industry (IFI) Ronkonkoma, NY <i>C. Schlie, M. Yantz</i>	403
High Frequency Electronics Bedford, NH <i>S. Spencer, G. Breed, T. Burkhard, G. Rhodes, N. Breed, K. Landmark, K. Neighbour, S. Babin</i>	1747	The only magazine sponsored by the IEEE Microwave Theory & Techniques Society (IEEE MTT-S), is issued bimonthly and concentrates on technical, general-interest and applications-oriented articles. Markets covered include communications, navigation and guidance, aircraft, missiles, space and ground support equipment, industrial controls and systems, ICs and microprocessors, semiconductors, components, sub-assemblies, test and measurement and instrumentation. <i>Publications</i>	Since 1953, IFI bestows global support custom designing, developing and manufacturing amplifiers ranging from DC-40 GHz, CW and pulse for the military and aerospace, medical and biological, communications, automotive, and test labs. We offer TWT, solid state and tetrode tube amplifiers; antennas; e-field sensors; TEM cells; and coax/waveguide accessories. <i>Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Millimeter-wave Components, Phase Shifters, Systems/Subsystems, Test and Manufacturing Equipment, Tubes</i>	
High Frequency Electronics is the monthly magazine for design engineers and managers seeking ideas and solutions involving analog, digital, RF, microwave, mm-wave, and optical technologies. The market-driven content covers materials, devices, components, test equipment, computer aided design, systems, subsystems, and the latest information on design techniques, applications and solution-oriented new products. <i>Publications</i>		IHP GmbH Frankfurt, Germany <i>H. Kissinger, R. Scholz</i>	Integra Technologies Inc. El Segundo, CA <i>M. Succro, J. Titizian, J. Curtis, A. Ja, N. Tyurina</i>	850
Hittite Microwave Corp. Chelmsford, MA <i>B. McGreevy, N. Hildreth</i>	934	IHP offers 0.25 μm BiCMOS technologies with HBTs up to 200 GHz for multi-project wafer and prototyping service. Basic analog circuits in the range from 5-76 GHz and systems designs for wireless applications are presented. <i>Amplifiers, Mixers/Modulators/Detectors, MMICs, Oscillators, RFICs, Systems/Subsystems</i>	Integra Technologies is an ISO 9001:2000 certified manufacturer of state of the art RF power transistors, pallets, and high power amplifiers. The facility produces 150 mm wafers in it's Class 100 clean room. In addition, device assembly and 100% functional testing is performed onsite using fully automatic equipment. <i>Amplifiers, Diodes/FETs/Transistors, Systems/Subsystems</i>	



International Manufacturing Svcs. 504
Portsmouth, RI

S. Durgin, D. Ziroli, B. Black, J. Travis

IMS manufactures a wide range of quality thick film products, both standard and custom. Since 1974, IMS has been supplying the electronics manufacturing industries with the highest quality thick and thin film chip resistors, terminations and attenuators. For more information, visit www.ims-resistors.com, or contact the company at 50 Schoolhouse Lane, Portsmouth, RI, 02871 USA, Tel: 401-683-9700. Fax: 401-683-5571. Email: sales@ims-resistors.com.

Attenuators, Filters, Power Dividers, Resistors/Capacitors/Inductors, Terminations

Ion Beam Milling Inc. 851
Manchester, NH

R. Pergamo, G. Quagan, R. Quagan

Ion Beam Milling Inc. has been supplying ultra high precision thin film solutions to the microwave community for over 23 years. Our complete line of products for microwave and optoelectronics applications will be featured, including attenuator pads, spiral inductors, heat spreaders, dielectric capacitors, laser diode submounts, 40 W transmission lines and custom circuits. Laser diode submounts, Ion Beam etching and dicing services, and more.

Attenuators, Couplers, Filters, Hybrids, Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Power Dividers, Printed Circuit Boards, Resistors/Capacitors/Inductors

iTerra Communications 1733
Palo Alto, CA

M. Ban

iTerra designs and supplies highly-integrated standard and custom integrated circuits, multi-chip modules, and multifunction subassembly hybrids. Expertise in a broad range of analog, digital, and microwave semiconductor and package technologies allows the company to choose the most effective types for each application.

Amplifiers, MMICs, Phase Shifters

ITF Co. Ltd. 1153
Bucheon, Gyounggi-Do, Korea

S. Yang

Professional manufacturer of SAW devices used for mobile communication, broadcasting, WLL, GPS, and remote control systems.

SAW Devices

ITT Corp. 1137
Lowell, MA

B. Lambolot, S. Larkin, J. Xavier, D. Tancredi

ITT Corporation/Advanced Engineering & Sciences-Microwave Systems (ITT/MS) designs and manufactures high performance, digitally-based frequency synthesizers (WaveCor™). Utilizing our patented direct digital synthesis (DDS) techniques, ITT/MS' synthesizers deliver an optimal combination of fast switching, low phase noise and high spurious free dynamic range in support of both military and commercial applications.

Synthesizers

IW Inc. 915
Danbury, CT

S. Bruno, A. Nixon, K. Schretzenmayer, E. Lagarto

Microwave cable and assemblies to 65 GHz.

Connectors/Cable/Adapters

J MicroTechnology Inc. 544
Portland, OR

Jacket Micro Devices Inc. 1156
Atlanta, GA

Jazz Semiconductor 1706
Newport Beach, CA

M. Jarrell

Jazz Semiconductor, a wholly owned subsidiary of Jazz Technologies Inc. (AMEX: JAZ), is an independent wafer foundry primarily focused on specialty CMOS process technologies for the manufacture of highly integrated analog and mixed-signal semiconductor devices. Jazz headquarters and its US wafer fabrication facilities are located in Newport Beach, CA (www.jazzsemi.com).

RFICs, Services

Jersey Microwave 409
Hackettstown, NJ

T. Landaeta, T. Nguyen, T. Ng

Jersey Microwave develops and manufactures microwave and millimeter-wave high performance components and solutions for both military and commercial users. We are featuring our C, X, Ku and Ka-band block converters and phase-locked DROs in addition to our control components and amplifiers. Our newly expanded facility accommodates custom and "COTS" requirements.

Amplifiers, Attenuators, Filters, Millimeter-wave Components, Oscillators, Phase Shifters, Systems/Subsystems, Switches

JFW Industries Inc. 1630
Indianapolis, IN

B. Walker, S. Watkins

JFW Industries Inc. is a leading manufacturer of innovative RF solutions that include attenuators, terminations, switches, power dividers, matrix switches and specialized test systems.

Johanson Manufacturing Corp. 1439
Boonton, NJ

B. Ko

High power resistors, termination, and attenuators (BeO and AlN up to 1000W with standard and custom specifications). RF and microwave tuning products: high Q variable (trimmer) capacitors, multi-turn and single-turn with sapphire, alumina, air, and custom ceramics. Tuning elements with metallic, ceramic, and dielectric resonators. Low cost contract assembly: subassemblies, modules, and components.

Resistors/Capacitors/Inductors, Terminations

Johanson Technology Inc. 607
Camarillo, CA

V. Nelson, W. Wong, S. Horton, J. Petrinel

Johanson Technology Inc. (JTI) provides high frequency ceramic solutions for cellular, WiFi, WiMax, UWB, GPS, Bluetooth, RF/microwave and fiber optic applications. JTI offers a complete line of industry leading high-Q/low ESR capacitors and a broad range of single layer capacitors, RF ceramic inductors, wire wound inductors, antennas, baluns, filters, couplers and diplexers.

Antennas/Radomes, Couplers, Filters, Power Dividers, Resistors/Capacitors/Inductors

Johnson Components 835
Waseca, MN

Johnstech International Corp. 1719
Minneapolis, MN

M. Attaran

Johnstech International manufactures and designs test contactors for final test. The RoL technology in Johnstech test contactors provides excellent electrical performance, mechanical reliability and load board preservation. Johnstech is now Eu and China RoHs compliant.

Test and Manufacturing Equipment

Junper Interconnection Co. Ltd. 417
Ningbo, Zhejiang, China

C. Zhan, Y. Zhang, Y. Wang

Your Choice of Coaxial Connectors. Junper Interconnection strives to the design, development and manufacturing of RF coaxial connectors. The company is located in China and operates in a modern 16,000 square meter facility and has earned a reputation for high quality productions.

Connectors/Cable/Adapters

K&L Microwave Inc. 1100
Salisbury, MD

J. Burkett, M. Giarratano, R. Hershtig, D. Ryan

K&L offers a full line of RF and microwave filters, duplexers and subassemblies for military and commercial applications, including ceramic, lumped element, cavity, waveguide and tunable filters, as well as switched filter banks, high-performance receive and transmit filters, delay line filters, combiners, receive multi-couplers and base station wireless system assemblies.

Filters, Millimeter-wave Components, Systems/Subsystems, Switches, Waveguide/Waveguide Components

Keithley Instruments Inc. 1433
Cleveland, OH

M. Elo, R. Rausch, W. Strickler, R. Kramer, L. He, J. Sudore, E. Modock, J. Newcomer, D. Olney

Keithley continues its leadership in solutions for emerging measurement needs by introducing a line of innovative RF test instruments. By combining high performance with exceptional speed, flexibility, ease of use, and compactness, these instruments offer new approaches to test and measurement, helping users save time, effort, and money.

Amplifiers, Connectors/Cable/Adapters, Power Supplies, Services, Software, Systems/Subsystems, Switches, Test and Manufacturing Equipment

KMIC Technology Inc. San Jose, CA <i>A. Ignacio, J. Choe</i> KMIC Technology Inc. designs and manufactures solid state amplifiers, converters, transceivers and multifunction assemblies from 50 MHz to 50 GHz with power levels up to 100 W for use in satcom, electronic warfare and point to point radio applications. <i>Amplifiers, Attenuators, Systems/Subsystems</i>	401	L-3 Electron Technologies Inc. Torrance, CA <i>R. Robinson</i> L-3 Communications Electron Technologies Inc. (ETI) is a leading supplier of high-reliability products to space and defense customers. Based in Torrance, CA, ETI has advanced capabilities in the design, manufacture, and test of high performance, space-qualified TWTs, LTWTAs, leading-edge passive microwave devices and state-of-the-art electric propulsion systems. <i>Amplifiers, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Power Dividers, Power Supplies, Switches, Tubes</i>	906	Laser Process Mfg. Inc. Peabody, MA <i>L. DeLisle</i> Precision laser cutting, scribing, drilling, etching and marking. Materials include ceramics, ALN, wood, plastics, metals and composites. <i>Materials, Services</i>	1602
Krytar Inc. Sunnyvale, CA <i>D. Yoshii, N. Russell, H. Crittenden, R. Brallier</i> Krytar manufactures broadband passive microwave components covering frequencies to 67 GHz. Product includes directional couplers, directional detectors, 2 and 4-way power dividers, 90° and 180° hybrid couplers, coaxial adapter both in series and between series, coaxial terminations, coaxial Schottky and planar doped detectors, tunnel diode detectors, threshold detectors and limiters. We also offer a low cost power meter covering 100 kHz to 40 GHz. <i>Connectors/Cable/Adapters, Couplers, Hybrids, Power Dividers, Terminations</i>	545	L-3 Narda Microwave West Folsom, CA <i>J. Langile, M. Pardo</i> Narda West's facility in Folsom, CA, is devoted to the development and manufacture of active and passive components such as linearized and non-linearized channel amplifiers, RF, microwave, and millimeter wave low noise and high power amplifiers, multifunction or integrated assemblies, converters, multipliers, filters, multiplexers, ferrite devices, and power dividers. <i>Amplifiers, Filters, Isolators/Circulators, Millimeter-wave Components, Power Dividers, Waveguide/Waveguide Components</i>	906	Linear Photonics Hamilton, NJ <i>J. MacDonald, G. Hoffman, A. Katz, T. Ulrich, S. Hendricksen</i> Linear Photonics designs and manufactures microwave and millimeter-wave fiber optic link subsystems and components for government and commercial customers. With our sister companies Linearizer Technology and Linear Space Technology, we offer an array of linear/linearized microwave and fiber optic communications solutions for terrestrial and space applications. <i>Amplifiers, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Services, Signal Processing Components, Systems/Subsystems, Test and Manufacturing Equipment</i>	429
Kyocera America Inc. San Diego, CA Kyocera America is the largest US manufacturer of Hi-Rel packages for space-based, airborne, ground-based, and undersea systems including phased array components, up/down and A/D converters and digital processing hardware. We have the widest range of material options and our US Assembly Technology Division performs both Flip Chip and Wire Bond Assembly. Kyocera America Inc. is an ISO 9001/14001 and ITAR registered, and DSCC certified company. <i>Antennas/Radomes, Hybrids, Materials, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Printed Circuit Boards, RFICs, SAW Devices, Systems/Subsystems</i>	614	LadyBug Technologies LLC Santa Rosa, CA <i>R. Hawkins, J. Sigler, S. Hawkins, A. Sigler</i> LadyBug Technologies LLC supplies test and measurement equipment. We offer power measurement products featuring unsurpassed accuracy and an 80 dB dynamic range. Measurements include CW, pulse and pulse profiling. Located in Sonoma County, California – the heart of T&M country. Call us: 1-866-789-7111, www.ladybug-tech.com, Email: sales@ladybug-tech.com. <i>Test and Manufacturing Equipment</i>	534	Linearizer Technology Hamilton, NJ	429
L-3 Communications ESSCO Concord, MA <i>C. Farachi, S. Whalen</i> For 45 years, a world leading ISO 9001:2000 certified supplier of microwave and millimeter wave precision tracking antenna systems from 1.8m to 36m diameter, as well as hundreds of types and sizes of ground, shipboard and airborne radomes. Single/multi-piece composite reflectors from 0.6 to 3.7 meters. Worldwide OSHA-qualified installation and field service support. <i>Antennas/Radomes</i>	906	Lambda Americas Neptune, NJ Genesis™ programmable AC/DC power. 750 W to 3.3 kW, outputs 7.5 to 15 kW, 600 VDC, current to 1000 A. Worldwide inputs, PFC assures operation in difficult AC environments. RS-232/485 standard. Advanced parallel operation – four like units in parallel for up to 60 kW. Common family controls. Flexible, reliable power for critical microwave systems. <i>Power Supplies</i>	1352	Litron Inc. Agawam, MA	603
L-3 Electron Devices San Carlos, CA <i>R. Elmore, D. Day</i> Specializing in Microwave Power Modules (MPM) that provide between 25 and 100 watts CW power in C, X, Ku, Ka, and Q bands. MPMs are commonly used in airborne data links, ground based uplinks, point-to-point transmitters, portable communication systems and a variety of other military and commercial systems. <i>Amplifiers, Power Supplies, Tubes</i>	906	Lansdale Semiconductor Inc. Tempe, AZ <i>C. Daria</i> Electronic component after market manufacturer specialized in the manufacturing of dependable, high quality ICs that have been discontinued by the original component manufacturer. Key functions we support include phase locked loops, prescalers, frequency synthesizers, transmitters, receivers, transceivers, voltage controlled oscillators, FM subsystems, analog to digital converters, codecs and drivers/rec. <i>Oscillators, RFICs, Synthesizers, Systems/Subsystems</i>	1054	Lorch Microwave Salisbury, MD <i>K. Bernstein, B. Holland, T. Nguyen</i> RF and microwave filter products, integrated assemblies. <i>Couplers, Filters, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Signal Processing Components</i>	922
				LPKF Laser & Electronics Wilsonville, OR <i>S. Schmidt</i> Supplies a full line of systems for PCB fabrication and multiple technologies for through-hole plating. LPKF also distributes laser stenciling systems that create plastic or stainless-steel stencils for solder bumps on wafers or stencils that support fine pitch technology in surface-mount designs. <i>Printed Circuit Boards, Test and Manufacturing Equipment</i>	917
				M/A-COM (Tyco Electronics) Lowell, MA <i>P. Hindle, D. Pierro</i> Tyco Electronics' M/A-COM business is a leading supplier of radio frequency (RF), microwave and millimeter wave integrated circuits, components, subsystems and IP based Wireless Private Networks to the telecommunications, automotive and defense-related industries. In addition, M/A-COM provides networks and radios for critical communications. Please contact us at www.macom.com or 800-366-2266.	723



<p><i>Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, RFICs, Synthesizers, Systems/Subsystems, Switches, Waveguide/Waveguide Components</i></p>	<p>MCV Technologies RF/microwave component division provides high Q dielectric resonators, narrow line width garnets, antennas and filters/duplexers (monoblock, ceramic, lumped element, cavity and helical) for infrastructure, cable and wireless markets up to 30 GHz. Check out our new universal test fixture for flange packaged power transistors, independent of package style.</p>	<p><i>R. Dec, P. Skolnick</i></p> <p>Merrimac designs and manufactures 3D multifunction integrated modules and subsystem assemblies with active and passive devices utilizing its Multi-Mix® platform technology for high-power amplifier modules, antenna feed networks, beamformers, integrated T/R modules, phased arrays, switch matrices, IFMs, phase detectors and RF components (power dividers, filters, couplers, quads, mixers, vector modulators for commercial, military and space applications).</p>
<p>M2 Global Technology Ltd. 1544 San Antonio, TX</p> <p>Marubeni Chemix Corp. 424 Tokyo, Japan</p> <p><i>Y. Tsujimoto, T. Kobayashi, K. Mizuguchi, K. Sonoda</i></p>	<p><i>Amplifiers, Antennas/Radomes, Couplers, Filters, Hybrids, Materials, Millimeter-wave Components, Printed Circuit Boards, Resistors/Capacitors/Inductors, SAW Devices, Services, Shielding, Systems/Subsystems, Terminations, Waveguide/Waveguide Components</i></p>	<p><i>Amplifiers, Attenuators, Couplers, Filters, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Printed Circuit Boards, Resistors/Capacitors/Inductors, Shielding, Signal Processing Components, Systems/Subsystems</i></p>
<p>New polymer material which has low loss property was developed by NOF. This material is useful for wireless applications as well as high speed transmission. Please find some demo samples at the booth to get ideas of application and its process capability.</p> <p><i>Antennas/Radomes, Connectors/Cable/Adapters, Materials, Printed Circuit Boards</i></p>	<p>MECA Electronics Inc. 1009 Denville, NJ</p> <p><i>C. Davo, E. Schiebler</i></p> <p>Since 1961, MECA has designed and manufactured an extensive line of RF/microwave components with industry leading performance including fixed attenuators, directional and hybrid couplers, isolators/circulators, power divider/combiners, RF loads, DC blocks and bias tees. MECA has long been the "backbone" of high performance wired and air-interfaced networks including in-building and BTS applications. Made in USA.</p>	<p>Metropole Products Inc. 712 Stafford, VA</p>
<p>Maury Microwave Corp. 1114 Ontario, CA</p> <p><i>J. Adamson, G. Maury, R. Myers, G. Simpson, E. Kueckels, R. Wallace, A. Boudiaf</i></p> <p>Highest gamma load pull tuner system, noise characterization, including system integration; manual tuners; coaxial and waveguide adapters; calibration kits for all VNAs; calibration standards; cables; connector gage kits; calibration services.</p>	<p><i>Attenuators, Couplers, Hybrids, Isolators/Circulators, Power Dividers, Terminations</i></p>	<p><i>G. DePaola, A. Leaman</i></p> <p>MPI specializes in the creation of custom RF and microwave communication components. Our product capabilities include filters, diplexers, multiplexers, amplifiers and related coaxial components, as well as rack mounted and weather resistant subsystems. MPI produces for military, government, and commercial customers, following our ISO 9001:2000 approved procedures.</p>
<p><i>Connectors/Cable/Adapters, Millimeter-wave Components, Services, Software, Systems/Subsystems, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components</i></p>	<p>Mega Circuit Inc. 611 Addison, IL</p> <p><i>K. Patel, T. Micheloti</i></p> <p>Manufacturer of custom RF/microwave circuit boards for broadband wireless-RFID industry. Multi-layers, hybrids, metal backed and antenna circuits. Quick turn, prototype and production runs.</p>	<p><i>Amplifiers, Attenuators, Filters, Power Dividers, Switches, Terminations</i></p> <p>MICA Microwave 1106 Manteca, CA</p>
<p>McGraw-Hill 532 New York, NY</p> <p><i>W. Rinaldi</i></p> <p>If information is the gateway to success in today's global economy, McGraw-Hill is the gatekeeper. McGraw-Hill Professional enables technical and trade professionals to succeed in complex global industries by structuring the most current information into concise and authoritative resources. www.mhprofessional.com</p> <p><i>Publications</i></p>	<p><i>Amplifiers, Antennas/Radomes, Attenuators, Couplers, Filters, Millimeter-wave Components, Printed Circuit Boards</i></p>	<p><i>D. Deck, B. Bridge</i></p> <p>Mica Microwave has 23 years experience providing RF and microwave technology solutions. Mica Microwave designs state of the art products in double and triple balanced mixers, frequency doublers, I.Q. mixers, low cost and high reliability isolators and circulators, detector and limiters covering frequency ranges from 10 MHz to 40 GHz.</p>
<p>MCV Technologies Microelectronics 1636 San Diego, CA</p> <p>MCV Technologies Microelectronics division offers metallized alumina, BeO and PCB substrates. Visit our booth for electroless (ENIG, ENEPIG) and electrolytic Ni, Au, Ag and trimetal plating services.</p> <p><i>Amplifiers, Antennas/Radomes, Couplers, Filters, Hybrids, Materials, Millimeter-wave Components, Printed Circuit Boards, Resistors/Capacitors/Inductors, SAW Devices, Services, Shielding, Systems/Subsystems, Terminations, Waveguide/Waveguide Components</i></p>	<p>Meggitt Safety Systems Inc. 617 Simi Valley, CA</p> <p><i>J. Thomsen</i></p> <p>Coaxial and multiconductor cable assemblies, silicon dioxide, highly stable over temperature regarding phase and insertion loss.</p> <p><i>Connectors/Cable/Adapters</i></p> <p>Merix Corp. 948 Forest Grove, OR</p> <p><i>G. Pollard</i></p> <p>Merix Corporation manufactures printed circuit boards in North America, Hong Kong, and China that support the demanding requirements of electronic equipment with a special focus on thermal management issues in PCB designs. Merix provides consulting on design for manufacturing in addition to prototype builds, pre-production builds, and volume production builds of all your PCB needs.</p> <p><i>Printed Circuit Boards</i></p>	<p><i>Isolators/Circulators, Mixers/Modulators/Detectors</i></p> <p>Mician GmbH 450 Bremen, Germany</p> <p><i>P. Krauss, R. Beyer</i></p> <p>Mician shows the software tools uWave Wizard and PROTHEUS by EADS Germany. The uWave Wizard is a fullwave 3D simulation software based on Mode-Matching (MM) technique, Boundary-Contour-Mode-Matching (BCMM), 2D-FEM and 3D-FEM. New with Versions 6.5, among other improvements, is a brand new GUI. PROTHEUS, based on the MLFMA accelerated Method of Moments, can handle problems like antenna positioning, RCS prediction and EMC calculation on electrically large and complex objects.</p>
<p>MCV Technologies RF/Microwave Comp 1636 San Diego, CA</p>	<p>Merrimac Industries Inc. 1130 West Caldwell, NJ</p>	<p><i>Antennas/Radomes, Couplers, Filters, Services, Software, Waveguide/Waveguide Components</i></p> <p>Micreo Limited 512 Brisbane, Queensland, Australia</p> <p><i>T. Shaw, D. Enchelmaier</i></p> <p>Micreo manufactures high performance microwave and millimetre wave products suitable for electronic</p>

warfare applications. Micro also has products for 40G (OC768) optical communications, including optical modulators and driver amplifiers. Our speciality is working with customers to design leading edge products for extreme environments.

Amplifiers, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Systems/Subsystems

Micro Lambda Wireless Inc. 1214
Fremont, CA

Micro-Chem Inc. 515
Santa Clara, CA

S. Trovato, L. Matts, C. Kishhauer

Established in 1977, Micro-Chem Inc. is an ISO 9001:2000 certified supplier of PTFE-based printed circuit boards for the RF and microwave industries. We specialize in heavy metal-backed ground planes utilizing copper, brass and aluminum. We offer vast knowledge and expertise in the manufacturing of RF and microwave PCBs.

Printed Circuit Boards

Microlab/FXR 1117
Parsippany, NJ

T. Ramsden, R. Skopas

Microlab/FXR (a Wireless Telecom Group company) cross-band couplers, filter duplexers, low-pass filters, broadband high power combiners, splitters, directional couplers, DC blocks, bias tees, wave guide dummy loads, rack mounted combiner systems, passive components for wireless infrastructure, in-building distributed antenna systems, military systems and test applications.

Attenuators, Couplers, Filters, Hybrids, Power Dividers, Terminations, Waveguide/Waveguide Components

Micrometrics Inc. 500
Londonderry, NH

J. Morgan, D. Langan

Manufacturer of silicon diodes including Hyper-abrupt and microwave diodes, varactors, SRDs, PIN limiter and beamlead PIN diodes, Schottky diodes along with capacitors, resistors, attenuator pads, current limiters and zenek diodes.

Attenuators, Diodes/FETs/Transistors, Resistors/Capacitors/Inductors

Microsemi Corp. 919
Irvine, CA

T. Shi, J. Chang, Y. Qian, D. Dalphond, C. Silver

Microsemi Corporation (Nasdaq: MSCC) is a leading designer, manufacturer and global marketer of high performance analog and mixed signal and high reliability semiconductor components, modules, integrated circuits and system solutions that enhance customer applications by improving performance and reliability, providing power optimization, reducing size or protecting circuits.

Diodes/FETs/Transistors

Microtech Inc. 1349
Cheshire, CT

Microwave Applications Group 1236
Santa Maria, CA

C. Boyd, S. Van Dyke, T. Janzen

Design, fabricate and test ferrite based components including phase shifters, isolators, circulators, switches and power dividers from microwave to millimeter-wave frequencies. Also provide electronically scanning phased array radar antennas and various waveguide components.

Antennas/Radomes, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Switches, Waveguide/Waveguide Components

Microwave Communications Labs Inc. 1531
St. Petersburg, FL

K. D'Amato, T. Nguyen, E. Roecker

Microwave Communications Laboratories Inc. (MCLI) is a leader in the manufacturing of RF/microwave components. Since 1988, MCLI has built a solid reputation for high quality and fast delivery. MCLI is ISO 9001:2000 certified with an inspection system that ensures high quality and reliable products. At MCLI, we are committed to providing exceptional service to our customers throughout the world and throughout the 21st century.

Amplifiers, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Signal Processing Components, Systems/Subsystems, Switches, Terminations

Microwave Development Labs Inc. 419
Needham Heights, MA

E. Scollins, G. Ribler, B. Johnson

MDL offers a complete line of passive waveguide components from 1 GHz to 50 GHz. We specialize in cast components, custom waveguide assys, monopulse comparators, rotary joints. With the latest software we can model, simulate and manufacture to your requirements.

Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Microwave Dynamics 712
Tustin, CA

S. Adel

Phase locked and free running dielectric resonator oscillators (DROs), amplifiers, multipliers from 2.8 to 60 GHz for space, military and commercial use.

Amplifiers, Millimeter-wave Components, Oscillators

Microwave Innovation Group 1048
Bremen, Germany

J. Brandt, Dr. J. Arndt

MIG's fast EM CAD tool WASP-NET meets the quest

of "power users" in leading space-/defense-/and microwave industry for best possible EM CAD and optimization performance. WASP-NET's unique hybrid MM/FE/MoM/FD technique combines unparalleled speed and flexibility advantages of four solvers in one single tool. WASP-NET optimizes waveguide circuits, antennas, combline, coaxial, dielectric loaded components.

Antennas/Radomes, Filters, Hybrids, Millimeter-wave Components, Power Dividers, Services, Software, Waveguide/Waveguide Components

Microwave Journal 1514
Norwood, MA

C. Sheffres

Microwave Journal is the resource for working RF, microwave and wireless engineers, with 50,000 subscribers worldwide and the most respected editorial content in its field. The newly redesigned website features unique resources, hundreds of archived articles, expanded event coverage and a dynamic online Buyer's Guide. Weekly email newsletters deliver timely news, industry analysis, the latest product announcements and expert advice. www.mwjjournal.com

Publications

Microwave Power Inc. 511
Santa Clara, CA

T. Heyboer

Displaying Microwave Monolithic Ceramic Circuitry (MMCC) power amplifiers operating from 1 to 40 GHz with output power to 500 watts. New products include 2 watt 26 to 40 GHz product plus an IEEE compatible control and status interfaces suitable for rack mounted products.

Amplifiers, Millimeter-wave Components

Microwave Product Digest 1751
Englewood Cliffs, NJ

Microwave Technology Inc. 849
Fremont, CA

D. Apte, G. Zhou, R. Chou

MwT products include GaAs/PHemt FET devices, MMICs, LNAs, power amplifiers and hybrid modules used in military, commercial and space applications up to 26 GHz. MwT also manufactures SMT linear power amplifiers for WiMax applications and cell phone infrastructure as well as low cost GaAs/PHemt FETS.

Amplifiers, Diodes/FETs/Transistors, Hybrids, MMICs

Microwaves & RF 1746
Paramus, NJ

Midwest Microwave 835

Military & Aerospace Electronics BIN
Nashua, NH

Millitech Inc. 923
Northampton, MA

K. Whitney, T. Newman, D. Trainor, C. Euvraro, T. Cote



Millitech is a world leader in the design and manufacture of millimeter-wave products for applications in sensors, conventional measurements, communications, surveillance, radar and space systems. Active frequency multipliers, wideband isolators, upconverter and downconverter assemblies, amplifiers and mixers.

Amplifiers, Antennas/Radomes, Attenuators, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Services, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

Mimix Broadband Inc. 823
Houston, TX

J. Teinert

Mimix Broadband Inc. supplies industry-leading GaAs semiconductors for commercial and military applications covering DC to 50 GHz. We feature Ku- and Ka-band amplifiers, linear power modules for infrastructure and SatCom, X-band MMIC radar chipsets, low noise and power amplifiers for WiMAX, and integrated up/down converters for microwave radio. Stop by our booth to see how Mimix is redefining global coverage.

Amplifiers, Attenuators, Diodes/FETs/Transistors, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, RFICs, Switches

Mini-Systems Inc. 506
North Attleboro, MA

M. Tran, D. Moody

Hi-reliability thick/thin film chip resistors. Sizes starting at 0.012" x 0.009", TCR's at $\pm 2\text{ppm}/^\circ\text{C}$, tolerances 0.01%, and standard deliveries starting at just 3 weeks. "T" space level/MIL-PRF-55342 & MIL-PRF-32159. Also, precision MOS capacitors, networks attenuators, "Ultimate" protection devices, such as alumina/glass sidewall flatpacks. Industries: medical, military, aerospace, microwave, telecommunications. www.mini-systemsinc.com

Attenuators, Resistors/Capacitors/Inductors, Terminations

Mission Telecom Co. 443
Seoul, Korea

N.Y. Kim

MTC designs and manufactures passive components and active components. And MTC also has in-line type manufacture line all process from SMT to assembly and test.

Connectors/Cable/Adapters, Couplers, Filters, MMICs, RFICs, Systems/Subsystems

MITEQ Inc. 1015
Hauppauge, NY

H. Hausman, D. Krauthheimer, M. Welch, B. Yuruckso

MITEQ designs and manufactures state-of-the-art microwave components and satellite communications earth station equipment. Products include UHF to

millimeter wave low-noise and medium power amplifiers, mixers, multipliers, switches, frequency sources, IF signal processing equipment, integrated microwave subsystems, satellite up/down converters and modems. Emphasis is on high-performance, custom engineering driven applications.

Amplifiers, Attenuators, Couplers, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

MITS Electronics 1711
Tokyo, Japan

K. Doma

PCB Prototyping Machine: FP-2IT Precision is state-of-the art PCB prototyping machine which enables you to mill 50 μm lines and spaces. Software for DXF data correction: this is easy-to-handle DXF output data correction software which enables you to correct the incompletely closed loops such as in the microwave circuits designed by CAD systems.

Printed Circuit Boards, Software, Test and Manufacturing Equipment

Mitsubishi Electric & Electronics 1043
Santa Clara, CA

J. Callaghan, K. Liang

Mitsubishi Electric Corporation manufactures a diverse range of microwave and RF semiconductors for linear, low-noise, WiMAX, and high-power communication applications, including satellite and terrestrial transmitters and receivers, mobile radios, cellular phones, and subscriber units. Please visit our web site for additional information <http://www.mitsubishichips.com>.

Diodes/FETs/Transistors, Hybrids, MMICs, Optoelectronic Components/Fiber Optics, RFICs

Modelithics Inc. 657
Tampa, FL

L. Dunleavy, T. Weller

Modelithics Inc. was formed in 2001 to address the industry wide need for high-accuracy RF and microwave active and passive models. Our current products include commercial device model libraries that support multiple simulation tools. Modelithics also satisfies a wide range of custom linear and non-linear measurement and modeling requirements.

Modular Components National Inc. 1115
Forest Hill, MD

Molex RF/Microwave Div. 1526
Mooresville, IN

R. Kauffman, A. Hollywood, M. Huang

RF coaxial connectors, adapters, terminations and cable assemblies manufactured in Taiwan and the United States.

Connectors/Cable/Adapters, Terminations

MPDevice Co. Ltd. 1350
Incheon, Korea

S.K. Lee, D. Kang

We know how to optimize the RF signal path. MPDevice is located in Korea and specialized in R&D and manufacturing of coaxial components such as RF coaxial connector. Coaxial cable assembly, terminator and aristor in our own facilities certified ISO 9001, ISO 14001.

Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Isolators/Circulators, Power Dividers, Terminations

MtronPTI 408
Yankton, SD

D. Thompson

MtronPTI manufactures standard and custom configured crystals, oscillators, VCXOs, TCXO, DCXOs, OCXOs, liquid-crystal filters, and crystal filters in an ISO 9001-certified facility.

Filters, Oscillators, SAW Devices

Murata Electronics 1201
Smyrna, GA

S. Klettke, Y. Tanna, M. Weski, H. Izumitani, K. Shinooka, N. Rosenfeld.

Murata Electronics is a worldwide leader in the design, manufacture and sale of ceramic-based passive electronic components and modules. Committed to the development of advanced electronic materials and leading edge, multi-functional, high-density modules, Murata utilizes gallium arsenide (GaAs) and multi-layer LTCC technology as core components for next generation RF products.

Amplifiers, Antennas/Radomes, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Resistors/Capacitors/Inductors, SAW Devices, Switches

NaF Technology Corp. 1713
Hwaseong, Gyeonggi, Korea

NaF is a high frequency coaxial cables maker in Korea and producing the PTFE coaxial cables, flexible, semi-flexible and semi-rigid cables.

Connectors/Cable/Adapters

Narda Microwave East 906
Hauppauge, NY

B. Johnson

Narda – the leading name in RF/microwave components, will be displaying their new RF amplifiers and fiber optic products along with industry standard passive components, such as attenuators, couplers and switches. Also new for 2007 is our NBM series of RF safety meters and probes for field strength measurements.

Attenuators, Couplers, Isolators/Circulators, Oscillators, Power Dividers, Signal Processing Components, Synthesizers, Terminations

Natel Engineering Co. Inc. Chatsworth, CA	400	NSI Torrance, CA	1607	Orient Microwave Corp. Higashiomi, Shiga, Japan	1702
National Instruments Austin, TX	1617	<i>D. Gray</i> NSI has been providing state of the art antenna measurement systems for 18 years. To date we have delivered more than 352 such systems worldwide. NSI draws upon the foremost industry experts to offer a complete line of test systems that include: planar, cylindrical and spherical near-field systems; far-field systems; high-speed RF subsystems; advanced antenna measurement software; anechoic chamber solutions; turn-key project management.		<i>Y. Kojima</i> Orient Microwave product range includes co-axial connectors/adaptors, cable assemblies, terminations, couplers, power dividers, attenuators, waveguides, filters, antenna, lightning arresters, switches, phase shifters, limiters, amplifiers, oscillators, isolators and circulators. They range from small-lot through to mass-produced devices and from standard through to customized items.	
NDK Belvidere, IL	1728	<i>Antennas/Radomes, Millimeter-wave Components, Mixers/Modulators/Detectors, Software, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment</i>		<i>Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components</i>	
<i>H. Aizawa</i> NDK is the world's leading manufacturer of quartz crystal electronic components. Our high quality components are found in an array of electronic devices in a broad range of industries. With design centers located in the US, Europe and Japan, we are ready to provide frequency control solutions worldwide.		NTK Technologies Inc. Santa Clara, CA	1443	Ortel, division of Emcore Alhambra, CA	1604
<i>Filters, Oscillators, SAW Devices, Synthesizers</i>		Nuhertz Technologies LLC Phoenix, AZ	750	Emcore's Ortel division provides the widest range of solutions for sending RF and microwave signals on fiber for Satcom, CATV, GPS, FOGs, wireless THz sensing, delay lines, radar calibration, and EW. From long to short, RF to THz, commercial to military, and systems to subassemblies, we're ready for you.	
Netcom Inc. Wheeling, IL	609	<i>J. Kahler, S. Tan</i> Design software for microwave and RF filters.		<i>Optoelectronic Components/Fiber Optics</i>	
Nitronex Corp. Durham, NC	1708	<i>Software</i>		P/M Industries Inc. Portland, OR	756
<i>C. Rauh</i> Nitronex is the global leader in high performance GaN on silicon RF power transistors for the WiMAX, broadband and cellular markets.		NXP Semiconductors San Jose, CA	943	<i>C. Parks</i> Ceramic substrates for microwave and high power applications. We offer laser machined to any size or shape. Surface finish will be provided to your specification. BeO, AlN, or alumina materials, polished to a fine surface finish, or lapped, or as-fired. We offer diamond sawing services, and resistor trimming services.	
<i>Amplifiers, Diodes/FETs/Transistors, MMICs</i>		NXP, the independent semiconductor company founded by Philips, has a fifty-year history of providing engineers and designers with semiconductors and software that deliver better sensory experiences for mobile communications and more. Visit Booth 943 to discover our latest LDMOS RF Power solutions for cellular applications. For more information, www.nxp.com/mmts2007		<i>Materials</i>	
NOF Corp. Tokyo, Japan	424	<i>Amplifiers, Antennas/Radomes</i>		P1dB San Jose, CA	643
<i>Y. Tsujimoto, T. Kobayashi, K. Mizuguchi, K. Sonoda</i> New polymer material which has low loss property was developed by NOF. This material is useful for wireless applications as well as high speed transmission. Please find some demo samples at the booth to get ideas of application and its process capability.		Octagon Communications Englewood Cliffs, NJ	1751	<i>J. Levine</i> P1dB is a developer and manufacturer of RF and microwave modular amplifiers, microwave diodes, RF power transistors, coaxial connectors, cable assemblies, and components. P1dB also offers Hi-Rel screening and parametric testing.	
<i>Antennas/Radomes, Connectors/Cable/Adapters, Materials, Printed Circuit Boards</i>		<i>D. Markhouse, R. Markhouse, D. Harway</i> Octagon Communications publishes MPD/Microwave Product Digest, the only monthly new product magazine serving engineers working in the RF and microwave industry. MPD focuses primarily on product information concerning components, test equipment, materials and subsystems. It is the industry's major source of in-depth application articles and new product information.		<i>Amplifiers, Connectors/Cable/Adapters, Diodes/FETs/Transistors</i>	
Noise Com Parsippany, NJ	1117	<i>Publications</i>		Park Electrochemical Corp. Melville, NY	903
<i>R. Muro, J. Berte, W. Damm</i> Noisecom is a leading provider of RF and microwave noise generators used for test and measurement. On display will be the UFX Eb/No series precision signal-to-noise generator, several digital and analog noise instruments, and high power interference generators.		OPTEOS Inc. Ann Arbor, MI	1434	<i>M. Carlson, B. Nichols, J. Chee</i> Park Electrochemical Corp. is an advanced materials company which develops and manufactures Nelco® high-technology digital and RF/microwave printed circuits materials and Nelcote™ advanced composite materials. Park is listed on the NYSE as "PKE" and based in Melville, NY, with global manufacturing facilities in Singapore, China, France, Connecticut, New York, Arizona and California.	
<i>Test and Manufacturing Equipment</i>		OPTEOS Inc. is a manufacturer of innovative RF test instrument and measurement service provider based on patented laser optic technologies for non-contact, non-invasive, internal analysis for various RF circuits and aperture level near-field mapping of virtually any type of antenna or array with frequency coverage from near DC to beyond W-band.		<i>Materials</i>	
Northrop Grumman/Velocium Products Redondo Beach, CA	1523	<i>Antennas/Radomes, Millimeter-wave Components, Software</i>			
<i>N. Yaris, M. Quijije, J. Sedaka</i> Northrop Grumman's high-performance GaAs and indium phosphide products and foundry services are available for established and emerging commercial markets, including cellular and broadband wireless systems, and cutting-edge aerospace and defense, and scientific applications.					
<i>Amplifiers, Attenuators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, RFICs, Services, Switches</i>					



- Pascall Electronics Ltd. 542
 Ryde, Isle Of Wight, UK
A. Maclachlan, A. Khan, C. Hood
 Pascall is a leading supplier of logarithmic and IF amplifiers, discriminators, high performance oscillators and synthesisers and I&Q modules which form the key components in radar and radar warning receivers as well as modular amplifiers and sub-systems for the communication, defense and navigational markets. Capabilities are from 10 MHz to 18 GHz.
Amplifiers, Couplers, Hybrids, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Power Supplies, Signal Processing Components, Synthesizers, Systems/Subsystems, Switches
- Passive Microwave Technology 1243
 Camarillo, CA
- Peak Devices Inc. 643
 Boulder, CO
M. Lincoln
 Designer and manufacturer of a broad range of high and low power RF discrete transistors for a variety of market segments, including HF/VHF/UHF, 2-way communications, FM broadcast, television broadcast, avionics, radar and military. The combination of a broad transistor die and package inventory, world class manufacturing facilities, and an advanced development and prototyping lab, all position Peak Devices to be the most cost-competitive source for RF transistors.
Diodes/FETs/Transistors
- Pendulum Instruments-XL Microwave 1610
 Oakland, CA
L. Butler, S. Johansson
 Pendulum Instruments is the world's expert for time and frequency measurement, calibration and analysis instrumentation. Our high quality portfolio of test and measurement products includes: frequency counters up to 60 GHz, frequency standards, frequency distribution systems, time synchronization test equipment and wireless test solutions for telecom, electronic, and wireless industries.
Test and Manufacturing Equipment
- Peregrine Semiconductor Corp. 706
 San Diego, CA
 Peregrine Semiconductor designs, manufactures, and markets high-performance RFICs for the mobile wireless and wireless infrastructure; broadband communications; space and avionics markets. The company's patented UltraCMOS™ mixed-signal process offers significant advantages over competing processes in applications where RF performance, low power and monolithic integration are paramount. The company maintains established design centers and sales operations around the world
Attenuators, Mixers/Modulators/Detectors, RFICs, Synthesizers, Switches
- Phase Matrix Inc. 954
 San Jose, CA
- P. Pragastis, R. Bush, P. Khanna*
 Phase Matrix is a developer and manufacturer of high quality, cost effective microwave and RF instruments and components. Our components cover a line of narrowband and broadband signal sources and sub-assemblies in the frequency range of 1 to 50 GHz for applications in military, instrumentation and telecommunications.
Amplifiers, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Synthesizers, Systems/Subsystems, Test and Manufacturing Equipment
- Picosecond Pulse Labs 811
 Boulder, CO
K. Heller, K. Schoen, B. McLaughlin
 PSPL is a leading designer and manufacturer of broadband and high speed analog electronics including ultra-low phase noise comb generators and the world's fastest generators (5ps) and broadest sampling receivers (>100 GHz). Founded in 1980, PSPL supplies components, modules and instrumentation for applications in test and measurement, communications, and military electronics.
Amplifiers, Attenuators, Filters, Power Dividers, Test and Manufacturing Equipment
- Planar Electronics Technology 1727
 Frederick, MD
T. Shew, K. Mason
 PET offers a full line of RF and microwave amplifiers ranging from 250 KHz to 40 GHz. We also offer custom amplifiers to meet your requirements. In addition to components, we offer complete system or sub-system integration of RF components to meet your overall system requirements.
Amplifiers, Filters, Systems/Subsystems
- Planar Filter Co. 1727
 Frederick, MD
K. Mason, T. Shew
 PFC manufactures and supplies a full line of filter products including switch filter banks, lumped element lowpass and highpass filters, printed lowpass and highpass filters, cavity filters, combine filters, interdigital filters and suspended substrate filters. We also offer custom filters and assemblies to meet your requirements.
Filters, Systems/Subsystems
- Planar Monolithics Industries Inc. 414
 Frederick, MD
E. King, R. Afable
 Active and passive components for radar and communications.
Amplifiers, Couplers, Hybrids, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers, Systems/Subsystems
- Plextek Ltd. 1504
 Great Chesterford, Essex, UK
L. Devlin, T. Phipps, A. Dearn
 Plextek provides RF, microwave and mm-wave design and consultancy services. We can design and, if required, supply custom components, products or complete system solutions. Specific design skills include GaAs MMIC, Si RFIC, RF and microwave SMT design for volume manufacture, LTCC, waveguide modules, software, DSP, FPGA, and optoelectronics.
Amplifiers, Millimeter-wave Components, MMICs, Phase Shifters, RFICs, Synthesizers, Switches
- Polyfet RF Devices 649
 Camarillo, CA
J. Citrolo, S.K. Leong, K.S. Tay
 Manufacturer of broadband power MOSFETs and modules. Polyfet uses LDMOS and VDMOS technology. Our devices perform as follows: up to 400 W, up to 1.5 GHz, up to 50 VDC.
Diodes/FETs/Transistors
- Precision Photo-Fab Inc. 957
 Buffalo, NY
T. Hibbert
 Metal fabricators specializing in photochemical etching of precision thin metal components. Tight tolerances, quick turn deliveries, and high quality service in a variety of metals.
Amplifiers, Antennas/Radomes, Attenuators, Filters, Materials, Millimeter-wave Components, Optoelectronic Components/Fiber Optics, Oscillators, Resistors/Capacitors/Inductors, Services, Shielding, Signal Processing Components, Waveguide/Waveguide Components
- Presidio Components Inc. 1605
 San Diego, CA
L. Devoe, G. Vorlop
 Presidio manufactures resonant free capacitors from 7 kHz up to 100 GHz. Available in case sizes 0201 to 0805 for solder reflow or from sizes .010" x 010" to .035" x 035" for chip and wire applications. Presidio's patented new VB Series integrates RF bypass and DC decoupling capacitors into one wire bondable device.
Amplifiers, Attenuators, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Supplies, Resistors/Capacitors/Inductors, RFICs, Shielding, Signal Processing Components, Systems/Subsystems, Test and Manufacturing Equipment, Waveguide/Waveguide Components
- Prewell Corp. 428
 Anyang, Gyeonggi, Korea
S.H. Lee, Y.H. Kim, C.H. Kwak
 Prewell is design and assembly of RFIC and MMIC department specializing in the development of high performance GaAs ICs, as HBT and pHEMT devices, for modern wireless telecommunication and infrastructure. Our RF amplifier's applications are gain blocks, mobile infrastructure, WCDMA, GSM, WLAN, DMB, CATV, and WiBro.
Amplifiers, MMICs, RFICs

Q Microwave Inc. San Diego, CA <i>E. Maat, C. Higginson, C. Shauan, D. Czagany</i> Q Microwave is the fast filter company. Filter specialties include lumped-element, cavity/compline, and ceramic resonator topologies covering 20 MHz to 20 GHz. Key technologies include Q-match impedance matching and integration-ready packaging. <i>Filters</i>	1357	Radant MEMS Inc. Stow, MA <i>A. Chaudhry</i> Manufacturer of the most reliable RF-MEMS switches (>500 billion life cycles) and multi-bit phase shifters for DC to 40 GHz applications. These state-of-the-art devices boast low bias power consumption, high linearity, high isolation, and low loss. <i>Antennas/Radomes, Millimeter-wave Components, Phase Shifters, RFICs, Services, Switches</i>	937	Renaissance Electronics Corp. Harvard, MA <i>R. Crabtree</i> Renaissance Electronics, a technology-driven company, designs and manufactures products for avionics, defense, industrial, satellite communications, telecommunications and space applications. Our products include: circulators/isolators, electro-mechanical switches, switch matrices, power combiners, power dividers, transmitter combiners, receiver multi-couplers and integrated assemblies and components. Renaissance Electronics is an ISO-9001 registered firm. <i>Isolators/Circulators, Power Dividers, Switches, Waveguide/Waveguide Components</i>	612
QUEST Microwave Inc. Morgan Hill, CA <i>A. Campbell, B. Campbell, N. Khayat</i> QUEST Microwave Inc. manufactures ferrite products (isolators and circulators) for cellular/PCN/PCS communications, point-to-point radios, LMDS, and SATCOM/VSAT transceivers and converters. <i>Isolators/Circulators</i>	1243	Reactel Inc. Gaithersburg, MD <i>E. Assurian, R. Hashemi, J. Assurian</i> Reactel is a manufacturer of filters, multiplexers, switched filter banks and sub-assemblies covering DC to 50 GHz for defense, wireless, commercial and industrial users. We are ISO-9001 certified and can satisfy most any filter requirement. <i>Couplers, Filters, Power Dividers, Switches, Waveguide/Waveguide Components</i>	749	RF Depot.Com Inc. Beltsville, MD <i>R. Pouliot, G. Pouliot</i> Single power divider covers 0.8 to 3.5 GHz wireless bands. Many other frequency bands on quick delivery. Free catalog with prices. <i>Amplifiers, Attenuators, Connectors/Cable/Adapters, Terminations</i>	712
QuinStar Technology Inc. Torrance, CA <i>R. Burtrum, L. Fong, J. Kuno</i> MMW subsystems and components up to 170 GHz, amplifiers, mixers, filters, W/G products, test equipment, antenna products, sources and frequency multipliers, broadband detectors, diplexers, noise sources, cryogenic products. <i>Amplifiers, Antennas/Radomes, Attenuators, Couplers, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components</i>	1700	Reed Business Information Rockaway, NJ	1714	RF Design Magazine Overland Park, KS <i>K. Good</i> RF Design is the only publication written exclusively for RF and microwave design engineers to provide the latest practical information needed to design leading-edge radio frequency products that work across the spectrum. <i>Publications</i>	1748
QWED Warsaw, Poland <i>W. Gwarek, M. Celuch</i> QWED provides QuickWave electromagnetic software for accurate design of microwave circuits, antennas, and heating appliances. QuickWave family comprises EM solvers (general purpose 3D FDTD and axisymmetrical 2D), thermodynamic modules, graphical editors, and powerful optimisers. QWED offers design and customised manufacturing of passive circuits and high power sources; material measurements; electromagnetic simulation services and consulting. <i>Filters, Services, Software</i>	1452	Reinhardt Microtech AG Wangs, Switzerland <i>H. Reinhardt</i> Thin film customer-specific circuits on LTCC for microwave applications, airbridges and multilayer (MCM-D), AuSn and Sn solder deposition and bumping, solder stop NiO or polyimide (further details see: www.reinhardt-microtech.ch). <i>Attenuators, Hybrids, Optoelectronic Components/Fiber Optics, Printed Circuit Boards, Resistors/Capacitors/Inductors, Services, Waveguide/Waveguide Components</i>	1346	RF Globalnet Sewickley, PA <i>E. Cuniak</i> RF Globalnet is the leading online trade publication for the RF/microwave design industry, serving the needs of engineering professionals since 1996. We provide you with the tools you need to do your job, including a technical library, product directory, discussion forums, and many other resources. Visit us at www.rfglobalnet.com . <i>Publications</i>	1715
R&K Company Ltd. Fuji, Shizuoka, Japan <i>K. Hirano</i> R&K is a leading company of RF/microwave power amplifiers. The company manufactures a wide range of RF/microwave components, offering low cost solutions for commercial products. <i>Amplifiers, Attenuators, Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, RFICs, Switches</i>	1517	RelComm Technologies Inc. Salisbury, MD <i>J. Tinkler</i> For over a decade, Relcomm Technologies has been a leading edge technology company devoted to RF/microwave coaxial relay and switch products. Development of industry standard devices reaches far beyond the individual "me too" product offering by incorporating unique design structures that bridge together commonality of components and manufacturing disciplines. <i>Switches</i>	710	RF Industries San Diego, CA RF Industries designs and manufactures coaxial connectors, adapters, cable assemblies, installation and test kits through product divisions: RF Connectors, RF Cable Assembly, and Aviel. Available in standard and custom design up to 40 GHz, with quantities as small as 1 piece. <i>Connectors/Cable/Adapters</i>	643
R-Theta Thermal Solutions Inc. Mississauga, ON, Canada	448	Remcom Inc. State College, PA <i>S. Langdon</i> Remcom offers market leading innovative yet robust 3D RF and microwave electromagnetic simulation software for designers and researchers. XFDTD, XGTD, Wireless InSite, RLD and VarPose provide solutions to your demanding design issues. Don't be limited to only one solution technique. CAD importation is a speciality, especially with multi-part complex models. <i>Software</i>	1333	RF Morecom Gunpo, Gyeonggi-Do, Korea RF Morecom manufactures a wide range of filters and duplexers and multi-bend duplexers for use at 70 MHz to 23 GHz, including GPS antenna and telematics triip-band antenna and VCO.	407



Antennas/Radomes, Filters, Oscillators, Power Dividers, Synthesizers

RFMD 801
Greensboro, NC

RFMW Inc. 643
San Jose, CA

J. Hamilton, B. Murphy

RFMW Ltd. is a specialized distributor that provides RF and microwave components as well as specialized component engineering support. We can assist you in selecting RF/MW/MMW semiconductors, passive components, connectors and cables for new OEM design and production. We can also source replacement of obsolete and hard to find devices.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, RFICs, SAW Devices, Services, Switches, Terminations

Richardson Electronics 807
LaFox, IL

E. Engers

Richardson Electronics' RF and Microwave Communications Group designs and distributes discrete devices, components and assemblies used in RF and wireless infrastructure, networks, digital broadcasting, defense and power conversion. Local sales engineers work side-by-side with your team to design circuits, select cost-effective components, test prototypes and help shorten your time to market.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Diodes/FETs/Transistors, Filters, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, SAW Devices, Services, Switches, Terminations, Test and Manufacturing Equipment, Tubes

RJR Polymers Inc. 853
Oakland, CA

RLC Electronics Inc. 1247
Mt. Kisco, NY

D. Borck, P. Jeffery

RLC Electronics has for more than 40 years provided innovative RF and microwave products to this industry, currently offering switches at 65 GHz, programmable attenuators, connectorised and surface mount filters, power dividers, couplers and detectors. Waveguide switches, filters, couplers and adapters have recently been added to the product range.

Attenuators, Couplers, Filters, Hybrids, Power Dividers, Switches, Terminations, Waveguide/Waveguide Components

Rogers Corp.-Advanced Circuit Mat. 843
Chandler, AZ

Rogers is a global technology leader providing high

performance printed circuit materials for use in high frequency circuit applications. Rogers' laminates serves a wide range of markets including communications infrastructure, advanced packaging, antenna, aerospace and defense, and digital applications. Rogers will be showcasing their RO4000®, RO3000®, RT/duroid® and ULTRALAM® series high frequency laminates.

Materials

Rohde & Schwarz Inc. 1233
Columbia, MD

J. Panzer

Rohde & Schwarz is one of the world's leading manufacturers of test and measurement, radio and broadcasting equipment with 6500 employees and worldwide sales topping \$1.5 billion. In North America we have locations from coast to coast. We're known for responsive support and service infrastructure for fast calibrations and service turnaround.

Test and Manufacturing Equipment

Roos Instruments Inc. 914
Santa Clara, CA

C. Rossi Roos, M. Roos

Roos Instruments, the premier supplier of high speed RF and microwave ATE systems, has helped industry leaders like Infineon and Intel produce highly complex microwave products.

RFICs, Test and Manufacturing Equipment

Rosenberger North America LLC 1223
Lancaster, PA

E. Parker, B. Rosenberger

Rosenberger, a leading manufacturer of coaxial connectors, cable assemblies and microwave devices will introduce a new line of "Vertical RF Connectors™" developed to support the interconnect requirement of the semi conductor (and test) market. Products include high density impedance controlled interconnects to 20 GHz and precision adapters to aid in equipment calibration.

Connectors/Cable/Adapters

Roth & Rau AG 955
Hohenstein, Ernstthal, Germany

San-tron Inc. 1737
Ipswich, MA

Sangshin Elecom Co. Ltd. 643
Seoul, South Korea

S. Reidmiller, S. Choi, J. Chang

Sangshin Elecom is a leading provider of filters (LC, discrete, monoblock*, cavity), antennas (patch, GPS, modules), VCOs, PLL modules and thermistors. We specialize in quick-turn customized parts, short production lead-times, and high volume manufacturing. Look for our new Surface Mount Patch Antennas. *Sangshin is a licensed manufacturer of monoblock filters.

Antennas/Radomes, Filters, Oscillators, Synthesizers

Sawnics Inc. 1716
Cheonan-Si, Korea

H.K. Yang, D.H. Park

Business sector is consisted of mobile communication (duplexer, RF SAW filter, IF SAW filter), multimedia (DAB/DMB, CATV, DTV), radio communication (WLAN, WLL, ISM Band, GPS) and satellite and munition communication on SAW filter for mobile phone.

Filters, SAW Devices

Schleifring und Apparatebau GmbH 606
Fuerstenfeldbruck, Germany

M. Tortora, T. Tartler

As a key supplier of radar rotary couplers involving power, data and high frequency transmission, Schleifring is ideally placed to take integration responsibility for supplying microwave rotary joints. With our partner, Spinner GmbH, acknowledged manufacturer of microwave rotary joints, Schleifring can provide total system solutions for radar systems and antenna manufacturers worldwide.

Couplers, Hybrids, Optoelectronic Components/Fiber Optics, Systems/Subsystems, Waveguide/Waveguide Components

Schmid & Partner Engineering AG 536
Zurich, Switzerland

N. Chavannes, P. Futter, E. Ofli, S. Schild

SPEAG is the leading developer and manufacturer of the most reliable, efficient, user-friendly and advanced experimental and numerical tools for the electromagnetic near- and far-fields from DC to light. Our proven technology, application expertise, and worldwide support serve a wide array of markets around the world that use our products to solve applications from the simplest to the most complex and to improve EMI/EMC safety in many industries. www.speag.com

Antennas/Radomes, Services, Software, Test and Manufacturing Equipment

Scientific Microwave Corp. 1653
Montreal, QB, Canada

A. Saad, M. Saad, G. Saad, K. Saad

Design and manufacturing of 1-65 GHz passive microwave components with low and high power, narrow and wideband filters, filter combiners, phase combiners, RFI and radar cutoff filters, diplexers, 3-port and 4-port circulators, resonance isolators, ferrite switches, tuners, hybrids, couplers, magic tees, transitions and coax adapters, terminations, OMTs, flanges and waveguide accessories.

Antennas/Radomes, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Phase Shifters, Power Dividers, Services, Software, Switches, Terminations, Waveguide/Waveguide Components

SenarioTek 1213
Santa Rosa, CA

S. Ghiasvand

SenarioTek designs and manufactures custom RF/microwave test interface units and hardware system in-

tegrations for aerospace and defense, ATE systems, wireless and telecom industries. SenarioTek enhances customers test capabilities by offering solutions and products to aid in the successful development and performance of their products while improving design and manufacturing quality.

Services Software, Test and Manufacturing Equipment

Shenzhen Kingsignal Cable Tech Co. 1252
Shenzhen, Guangdong, China

Shenzhen Shennan Circuits Co. Ltd. 1356
Shenzhen, Guangdong, China

F. Chong, K. Lingwon, W. Guohu, W. Xiang

Established in 1984, Shennan Circuits is one of Chinese PCB pioneers, which specializes in microwave PCB and high layer's digital PCB. (Capacity 350,000 m²/year)

Printed Circuit Boards

Shoulder Electronics Ltd. 1718
Shenzhen, Guangdong, China

Sigma Systems Corp. 829
El Cajon, CA

Signal Technology 1001
See Crane Aerospace & Electronics

Signatone (Lucas/Signatone) 1351
Gilroy, CA

Simulation Technology & Applied Res 655
Mequon, WI

J. DeFord, B. Held

The Analyst finite-element software package is the leading parallel electromagnetic design environment, making efficient use of multiprocessors and computer clusters to rapidly solve large problems and to dramatically shorten your design cycle. Come by our booth for a demonstration and free evaluation copy and see what Analyst can do for you.

Software

Sirenza Microdevices Inc. 637
Broomfield, CO

G. Gonzales

Sirenza Microdevices is a supplier of radio frequency (RF) components. Headquartered in Broomfield, CO, with operations in China, Germany and the United States, Sirenza and its subsidiary, Premier Devices, design and develop RF components for the commercial communications, consumer, and aerospace and defense (A&D) equipment markets.

Amplifiers, Couplers, Diodes/FETs/Transistors, Hybrids, Isolators/Circulators, Mixers/Modulators/Detectors, MMICs, Oscillators, RFICs, Signal Processing Components, Synthesizers

Skyworks Solutions Inc. 643
Woburn, MA

M. Messmer

Skyworks Solutions Inc. is an innovator of high performance analog and mixed signal semiconductors

enabling mobile connectivity. The company's power amplifiers, front-end modules and direct conversion radios are at the heart of many of today's leading-edge multimedia handsets. Leveraging core technologies, Skyworks also offers a diverse portfolio of linear products that support automotive, broadband, cellular infrastructure, industrial and medical applications.

Amplifiers, Attenuators, Couplers, Diodes/FETs/Transistors, Filters, Mixers/Modulators/Detectors, MMICs, Phase Shifters, Power Dividers, RFICs, Synthesizers, Switches

Sonnet Software Inc. 1131
North Syracuse, NY

J. Rautio, S. Carpenter

Sonnet Software Inc., a leading provider of high frequency electromagnetic simulation software is introducing the new Sonnet[®] Suites Professional Release II. In Release II, Sonnet introduces a perfectly calibrated internal port that can be a highly accurate attachment point for active or passive components that enables full co-simulation within the EM analysis environment. Release II also includes a totally redesigned Agilent ADS interface and new 64-bit EM analysis engine

Software

Sources East Inc. 1505
Campbell, CA

D. Hanes

RF & microwave components.

Attenuators, Connectors/Cable/Adapters, Isolators/Circulators, Power Dividers, Terminations, Waveguide/Waveguide Components

Southwest Microwave Inc. 1649
Tempe, AZ

J. Kubota, D. Shaff

Industry lowest RF leakage <-100dB. (1) 60 GHz "Size 20" contacts for Micro-D (M83513), D-Sub (M24308) and D38999 connectors; (2) field replaceable "extended power" 27 GHz SMA; (3) 1.85mm to 67 GHz; (4) SSMA & 2.92mm to 40 GHz; (5) 18+ GHz TNC & N; (6) microstrip, stripline & coplanar launchers; (7) all RoHS & DFARS compliant. Hi-Temp for lead-free soldering processing.

Connectors/Cable/Adapters, Terminations

Spectrum Elektrotechnik GmbH 1243
Munich, Germany

P. von Nordheim

Added to last year's product range were #8 and #12 contacts per MIL-C 39029, the new Push-Pull connectors, hermetic housings for microwave substrates, besides phase shifters, connectors, adapters and cable assemblies to 65 GHz, gain equalizers, SMP calibration kits, the CNCA-700, etc.

Attenuators, Connectors/Cable/Adapters, Isolators/Circulators, Phase Shifters, Systems/Subsystems, Switches, Terminations, Test and Manufacturing Equipment, Waveguide/Waveguide Components

Spectrum Microwave Inc. 1445
Philadelphia, PA

SSI Cable Corp. 1149
Shelton, WA

B. Smith, B. Sowers, T. Smith

SSI Cable Corp. manufactures high quality microwave coaxial cable assemblies of all types to customer specifications: flexible, semi-rigid, cryogenic, phase-matched, delay lines, and wire harness. Copper, aluminum, stainless steel cable with soldered or welded connector joints and a variety of connectors and dielectrics.

Connectors/Cable/Adapters

State of the Art Inc. 1601
State College, PA

B. Hoy

Manufacturer of high reliability resistive products. High frequency thick film and thin film resistors, terminations and new balanced "T" attenuators, high power resistors on alumina, AlN, and aluminum nitride chip attenuators. ISO 9001 and AS9100. MIL-PRF-914 and MIL-PRF-55342 "S" level reliability products. All products manufactured in the USA. www.resistor.com

Attenuators, Resistors/Capacitors/Inductors

Stellar Industries Corp. 1251
Millbury, MA

R. Visser, W. Sherwood, D. Richardson

A fabricator of precision laser diode/photodetector submounts using materials such as AlN, BeO, and Al₂O₃. Specializing in vapor deposited Gold/Tin solders on thick film and thin film as well as on semiconductor wafers. Stellar manufactures precise machined ceramic mounts with wrap-around metalizations.

Materials, Optoelectronic Components/Fiber Optics, Printed Circuit Boards, Services

Storm Products Co. 1011
Woodridge, IL

StratEdge Corp. 543
San Diego, CA

Summitek Instruments Inc. 927
Englewood, CO

Sunny Electronic Corp. USA 935
Tustin, CA

K. Shim

Manufacturer, exporter of quartz crystals, oscillators and filters.

Filters, Oscillators

Sunwave Communications Co. Ltd. 437
Hangzhou, Zhejiang Province, China

Y. Zhou

Based in Shanghai, China, Sunwave Communications is the second private-owned Chinese company to achieve the world's highest quality excellence. TL9000 accreditation. Sunwave Communications is a



professional supplier of high quality passive RF products. Its product offer ranges from filter, duplexer, splitter, coupler, hybrid, multi-way combiner and POI at competitive cost.

Amplifiers, Couplers, Filters, Hybrids, Power Dividers

SUSS MicroTec Inc. 1217
Waterbury Center, VT
T. Schivo

SUSS MicroTec Test Systems is a world leader in premium performance on-wafer test systems, and has been designing and manufacturing innovative probe systems for over 30 years. With the increasing complexity of IC devices, our systems are designed to streamline the testing process by leveraging our application expertise to provide complete solutions tailored to your needs. For more information, visit www.suss.com

Software, Test and Manufacturing Equipment

SV Microwave Inc. 815
West Palm Beach, FL

C.J. Janney, D. Snader, J. Morelli, S. Katragadda

The innovation leader of the RF/microwave industry, specializing in custom and high performance connectors including SMA, SSMA, SMP, ZMA, BMA, BMMA, BMZ, BZ, 2.92 mm, 2.4 mm, 3.5 mm, 7 mm, TNC, Type N and high power. SV also produces HiRel connectors and components, multi-contact assemblies, cable assemblies, attenuators, terminations and signal processing components.

Attenuators, Connectors/Cable/Adapters, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Signal Processing Components, Terminations

CW Swift & Associates Inc. 1108
Van Nuys, CA

Synergy Microwave Corp. 901
Paterson, NJ

A. Almeida

Low phase noise planar resonator oscillators rivaling the phase noise performance of expensive SAW and CRO/DRO oscillators, YIG like VCOs offering ultra-wide bandwidth and low power consumption, highly versatile synthesizers in optimized and higher than octave bandwidths, high IP3 FET mixers, wideband mixers up to 18 GHz, high power signal processing couplers and 90° hybrids.

Attenuators, Couplers, Filters, Hybrids, Mixers/Modulators/Detectors, Oscillators, Phase Shifters, Power Dividers, Signal Processing Components, Synthesizers

T-Tech Inc. 1631
Norcross, GA

Taconic 1632
Petersburgh, NY

Tactron Elektronik OHG 442
Graefelfing, Germany

G. Schmidt, F. Fuerst

Sales representatives for US based companies in Germany, Austria, Switzerland for RF/microwave components, modules, systems and software.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Optoelectronic Components/Fiber Optics, Oscillators, Phase Shifters, Power Dividers, Resistors/Capacitors/Inductors, RFICs, Services, Signal Processing Components, Software, Synthesizers, Systems/Subsystems, Switches, Terminations, Waveguide/Waveguide Components

Tecdia Inc. 912
Santa Clara, CA

C. Hung

Tecdia Inc. is a manufacturer of single layer capacitors, Hi-K X7R capacitors, chip resistors, substrates, GaAsFET protection DC boards, VCO/DROs, and bias-Ts. Our goal is to give you the best products that fit your needs. Also, our short lead time and perfect customer service can always be helpful for your business.

Oscillators, Power Supplies, Resistors/Capacitors/Inductors

Tech-On 432
Minato-Ku, Tokyo, Japan

T. Maruyama

Tech-On! is the best and only credible postal site for engineers in Japanese manufacturing industry. Along with digital consumer products and automotives, wireless technology is one of the most popular and discussed themes.

Publications

Tegam Inc. 510
Geneva, OH

M. Eckart, A. Fleder, A. Brush

Tegam Inc. is in the business of improving measurements. We help customers to be more productive by making instrumentation easier to use, more accurate and faster. For more information, please contact us at 440-466-6100 or visit www.tegam.com.

Amplifiers, Test and Manufacturing Equipment

Tektronix Inc. 817
Beaverton, OR

Tektronix is enabling the world of digital RF. Discover trigger, capture, and analyze signals never before seen with the industry's highest performance real-time spectrum analyzers and oscilloscopes. Create realistic signals in digital, baseband, RF and microwave domains with the fastest arbitrary waveform generators.

Test and Manufacturing Equipment

Telcon Co. Ltd. 1725
Hwasung-Si, Kyungki-Do, South Korea

Telcon is a leading company in RF coaxial connector technology in South Korea.

Attenuators, Connectors/Cable/Adapters, Couplers, Power Dividers, Terminations

Teledyne Coax Switches 523
Hawthorne, CA

P. Rohr

Teledyne Coax Switches delivers highly reliable and highly repeatable switches and matrices for RF and wireless, medical, military, commercial, and space applications. Teledyne's comprehensive product lines deliver switching solutions from DC to 33 GHz with low intermodulation (PIM). Custom and off the shelf microwave switching solutions are available at www.teledynecoax.com.

Switches

Teledyne Cougar Inc. 523
Sunnyvale, CA

D. Cheadle

Teledyne Cougar designs and manufactures catalog and custom RF and microwave components and sub-assemblies (300 KHz–20 GHz) for aerospace, defense and industrial applications. Cougar also provides a complete range of value-added services, including die services (packaging, screening, binning), hybrid assembly, RF/DC testing, environment screening, lot acceptance testing, and element evaluation.

Amplifiers, Attenuators, Hybrids, Mixers/Modulators/Detectors, Oscillators, Power Dividers, Systems/Subsystems, Switches

Teledyne KW Microwave 523
Poway, CA

I. Brassell

Teledyne KW Microwave's product line includes filters, multiplexers, diplexers, multipliers, switch filters, low noise amplifiers, preamplifiers, coaxial switches, solid-state switches, along with integrated subsystems. We supply components and subsystems from 5 MHz to 40 GHz. We can support large quantity production requirements as well as prototype development opportunities.

Couplers, Filters, Switches, Waveguide/Waveguide Components

Teledyne MEC 523
Rancho Cordova, CA

H. Wilson

Teledyne MEC is a world leader in the design, development and manufacture of high power, broadband, helix traveling wave tubes for airborne, shipboard, transport vehicle and laboratory environments in today's ECM, radar, communication and instrumentation markets.

Tubes

Teledyne Microelectronics 523
Los Angeles, CA

S. Calvillo

Teledyne Microelectronics is a full service design and contract microelectronics manufacturer offering innovative design approaches in packaging and testing of RF/microwave devices up to 50 GHz. We specialize in optoelectronics to RF integration for hi-rel aerospace, military and industrial applications.

Amplifiers, Hybrids, Optoelectronic

Components/Fiber Optics, Signal Processing Components, Systems/Subsystems, Switches

Teledyne Microwave 523
Mountain View, CA

I. Brassell

Teledyne Microwave has over 40 years experience providing amplifiers, synthesizers, YIG oscillators/filters, BAWs and transceivers up to 50 GHz. Through our continuous inventiveness, we have evolved into an expert sub-system provider serving EW, radar, point-to-point radio and Satcom markets. We are "the complete microwave solution."

Amplifiers, Attenuators, Filters, Oscillators, Systems/Subsystems

Teledyne Relays 523
Hawthorne, CA

P. Rohr

For more than 40 years, Teledyne Relays has delivered ultraminiature, hermetically sealed RF-EMR relays for military, commercial, and space applications. Teledyne's comprehensive product line delivers switching solutions from DC to 8 GHz with less than 1 dB insertion loss. Custom designs or off-the-shelf switching solutions are easy to locate at www.teledynerelays.com.

Attenuators, Switches

Teledyne Scientific Co. 523
Thousand Oaks, CA

E. Merlo

Teledyne Scientific's MSP group is focused on digital-to-analog and analog-to-digital converters, direct digital frequency synthesizers and track and holds. We work with our customers in military, aerospace, telecommunications, and ATE systems to address their needs for high-end mixed signal products offering off-the-shelf components and complete design services for customized solutions.

RFICs, Signal Processing Components, Synthesizers

Tempronix Corp. 1509
Sharon, MA

B. Johnson, J. Pelrin

Bring Temperature to your Test. Test standard, high frequency and high power devices at precise temperature (-80° to + 225°C) right at your test bench or tester with mobile ThermoStream®. For PCBs and assemblies, test in MobileTemp™ (-65°/+225°C) portable, compact chamber. Three ThermoChamber™ designs fit the ThermoStream interchangeably for a flexible, modular, thermal test system.

Test and Manufacturing Equipment

Tensolite 1019
St. Augustine, FL

P. Kulata, K. Peters, M. Temple, M. Peeran

Advanced manufacturer of coaxial cable, acculite high performance data cable, complete line of RF/microwave connectors and cable assemblies, including flexible, semi-rigid, semi-flex, phase matched, high-density interconnects, delay lines and complex cable harnesses.

Attenuators, Connectors/Cable/Adapters, Optoelectronic Components/Fiber Optics, Phase Shifters, Shielding

Terabeam/HXI 1209
Haverhill, MA

D. Wheeler, E. Stewart

Terabeam/HXI supplies millimeter wave components and subsystems for military and commercial systems worldwide. Products include transceivers, low noise and power amplifiers, frequency multipliers and switches in a core frequency range of 18 to 110 GHz. Fast prototyping and custom-engineered products ranging from single functions to highly integrated assemblies are available.

Amplifiers, Attenuators, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Oscillators, Services, Systems/Subsystems, Switches, Waveguide/Waveguide Components

TeraVista Technologies Inc. 752
Austin, TX

Test & Measurement World BIN
Waltham, MA

Thales Components Corp. 1008
Totowa, NJ

S. Shpock, V. Hirtzberger, R. Wall

Thales Electron Devices, the world's leading manufacturer of microwave electron tubes from 5.85 GHz to over 45.5 GHz in the C thru EHF band regions. Since 1968 we have supplied innovative, reliable products to microwave markets including broad or narrow band military, space, commercial broadcast, science, mini, mobile and custom applications.

Amplifiers, Millimeter-wave Components, Systems/Subsystems, Tubes

Thales MESL 1008
Totowa, NJ

J. Emanuele, K. Burns, M. Watherston

Thales MESL: ferrite components for military and cellular applications. High power ferrite sub-systems for defense, security and medical applications. Phase shifters, SAW pulse compression sub-systems and delay lines for radar. High performance rotary switches up to 95 GHz. Millimeterwave T/R modules for military and commercial applications up to 40 GHz, including build-to-print.

Hybrids, Isolators/Circulators, Phase Shifters, SAW Devices, Switches, Waveguide/Waveguide Components

Thunderline-Z 835
Hampstead, NH

L. St. Pierre, D. Breed

Thunderline-Z provides innovative and reliable glass to metal seal components and packages to military and commercial customers globally. Offering hermeticity to 1X10⁻⁸ ccHe/sec@1atm, Thunderline-Z manufactures high frequency solder modules, matched glass RF and DC feedthrus, direct fire packages, multipin headers and capacitive filtered feedthrus.

Connectors/Cable/Adapters, Filters, Services, Signal Processing Components, Systems/Subsystems, Terminations

Times Microwave Systems 931
Wallingford, CT

B. Perelman, P. Page, T. Prena

Times Microwave Systems is a leader and pioneer in the development of high reliability coaxial cables and cable assemblies for demanding interconnect applications. Products cover military-aerospace, shipboard and commercial wireless applications and include high-performance flexible, semi-flexible and rigid coaxial cable assemblies, and flexible 50 Ohm LMR® cables, connectors and assemblies. The company is committed to serving the needs of its customers.

Connectors/Cable/Adapters, Test and Manufacturing Equipment

Toshiba America Electronic Comp. 1107
Irvine, CA

P. Lin

For more than 20 years, Toshiba has offered power GaAs FETs for the communications infrastructure market including X/Ku and C-band to support SATCOM and terrestrial communications. GaN technology will also be displayed. Toshiba also provides MOS-FET and RF modules for industrial, Ham and marine radios.

Amplifiers, Couplers, Diodes/FETs/Transistors, Optoelectronic Components/Fiber Optics

TRAK Microwave Corp. 930
Tampa, FL

TRAK supplies high reliability microwave & RF sub-systems for defense, space and wireless markets. TRAK product lines consist of integrated microwave assemblies, frequency source products, ferrites and signal control devices, and time and frequency systems.

Isolators/Circulators, Oscillators, Synthesizers, Systems/Subsystems

Trans-Tech Inc. 600
Adamstown, MD

Trans-Tech Inc., a wholly owned subsidiary of Skyworks Solutions Inc., is the industry leader in the design, development and manufacture of RF ceramics. Products include dielectric pucks, ferrite materials, RF filtering components and advanced technical ceramics for commercial, industrial, medical, RFIC and homeland security markets.

Filters, Isolators/Circulators, Materials, Systems/Subsystems

Trilithic Inc. 1500
Indianapolis, IN

K. Slayton, M. Burton

Trilithic is an innovative provider of RF and microwave solutions. Our product line includes custom filters for military and commercial applications, sub-systems for test/verification and production environments, and in stock attenuators, switches and other signal control components for most requirements. A



new series of High "Q" Cavity Filters will be featured at this exhibition.

Attenuators, Filters, Power Dividers, Switches, Terminations

TriQuint Semiconductor 533
Hillsboro, OR

TriQuint supplies GaAs/SAW/BAW products for base stations, digital radio, military and wireless. TriQuint is the leading SAW filter maker; our RF front-end modules are in the world's leading handsets. TriQuint manufactures products for WiFi, WiMAX, Femtocells, Picocells. See our world-class GaAs foundry for custom needs.

Amplifiers, Filters, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Optoelectronic Components/Fiber Optics, Oscillators, RFICs, SAW Devices, Signal Processing Components, Switches

Tronser Inc. 1600
Cazenovia, NY

J. Dowd, L. Dowd, M. Tronser

Air dielectric, sapphire dielectric, variable capacitors, microwave tuning elements, precision turned and milled components and housings.

Amplifiers, Filters, Millimeter-wave Components, Oscillators, Resistors/Capacitors/Inductors, Test and Manufacturing Equipment, Waveguide/Waveguide Components

TRS-RenTelco 1705
DFW Airport, TX

D. Hughes, J. Leli

TRS-RenTelco is one of the largest test equipment rental and leasing companies in North America. We specialize in renting general purpose, communication, fiber optic, and industrial test equipment, while providing you with exceptional service. It's important you get what you want, when you need it. Equipment Now. Service Beyond.

Amplifiers, Attenuators, Optoelectronic Components/Fiber Optics, Power Supplies, Signal Processing Components, Synthesizers, Test and Manufacturing Equipment

TRU Corporation Inc. 1055
Peabody, MA

E. O'Neill, S. O'Neil, B. St. Pierre, E. Kersten, A. Laflin

TRU Corp. has been creating pioneering RF and microwave interconnect solutions for over 50 years. Interconnect assemblies and systems for complex, demanding applications in military, aerospace, telecom, semiconductor, medical and other commercial industries. See how TRU's leading edge engineering and design can meet your challenges through the "power of creativity".

Connectors/Cable/Adapters, Systems/Subsystems

TTE Europe 442
Steindorf, Germany

G. Schmidt

TTE Europe is one of the most innovative providers of microwave, RF and optical products. The product

range includes test assessors like cables, attenuators, adapters, terminations and optical patch cords.

Attenuators, Connectors/Cable/Adapters, Optoelectronic Components/Fiber Optics

TTE Inc. 651
Los Angeles, CA

D. Zovac, J. Gilmore, S. Sodaro

Since 1956, TTE Inc. has led the way in the design, development and manufacture of active and passive filters from 0.1 Hz to 26 GHz. Most LC filters are available in 1 week ARO for 10 or less units, 4 weeks for 100 units ARO. Visit our website -www.tte.com.

Filters

Tyco Electronics-Antenna/Connector 753
Harrisburg, PA

B. Beauregard

Tyco Electronics offers the broadest range of RF connector and coaxial cable assembly interconnect products. Our portfolio includes the technology from industry leading brand names such as AMP, M/A-COM, Raychem, Microdot, Precision Interconnect. The Antenna Product Group produces antennas from 400 MHz to 6 GHz, predominantly for voice, data, and Bluetooth applications.

Antennas/Radomes, Connectors/Cable/Adapters, Couplers

Tyco Electronics (M/A-COM) 723
Lowell, MA

P. Hindle, D. Pierro

Tyco Electronics' M/A-COM business is a leading supplier of radio frequency (RF), microwave and millimeter wave integrated circuits, components, subsystems and IP based Wireless Private Networks to the telecommunications, automotive and defense-related industries. In addition, M/A-COM provides networks and radios for critical communications. Please contact us at www.macom.com or 800-366-2266.

Amplifiers, Antennas/Radomes, Attenuators, Connectors/Cable/Adapters, Couplers, Diodes/FETs/Transistors, Filters, Isolators/Circulators, Materials, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, Power Dividers, RFICs, Synthesizers, Systems/Subsystems, Switches, Waveguide/Waveguide Components

UBE Industries Ltd. 1712
Tokyo, Japan

UltraSource Inc. 1743
Hollis, NH

m. Lofrumento

UltraSource Inc. is a custom thin film fabrication company incorporated in 1991 specializing in complex thin film circuits and interconnects. We offer thin film interconnect options integrating passive circuit elements on a single layer or multi-layer substrate utilizing our proprietary UltraBridge™, UltraInductor™ and UltraCapacitor™ technologies.

Amplifiers, Attenuators, Couplers, Filters, Hybrids, Isolators/Circulators, Materials, Millimeter-wave

Components, Optoelectronic Components/Fiber Optics, Phase Shifters, Power Dividers, Printed Circuit Boards, Resistors/Capacitors/Inductors, Signal Processing Components, Switches, Terminations

United Monolithic Semiconductors 1010
Orsay, France

P. Labasse

New products include: state-of-the-art compact mm-wave HPAs, VCOs, LNAs, and complete chipset for VSAT applications, and for 24 and 77 GHz automotive radars. Parts are available both in bare die form and in low cost surface mount package.

Amplifiers, Attenuators, Diodes/FETs/Transistors, Millimeter-wave Components, Mixers/Modulators/Detectors, MMICs, Oscillators, Phase Shifters, RFICs, Switches

Universal Microwave Corp. 508
Brooksville, FL

S. Revert, D. Lyle

VCOs and CROs for low phase noise applications. Plug-n-play synthesizers for ultra low phase noise synthesis. Frequency ranges of 10 MHz–8.0 GHz in surface mount packages.

Oscillators, Synthesizers

Universal Microwave Technology Inc. 435
Taipei, Taiwan

T. Wu

Waveguide diplexer/filters, cellular basestation duplexer, directional coupler, flat-panel antennas, waveguide components.

Couplers, Filters, Millimeter-wave Components, Power Dividers, Terminations, Waveguide/Waveguide Components

UTE Microwave Inc. 1502
Asbury Park, NJ

Valpey Fisher Corp. 509
Hopkinton, MA

M. Ferrantino Jr., G. Arthur, D. Nehring, W. Olwa

Since 1931, Valpey Fisher has pioneered the design and manufacturing of crystal oscillators. Today, our precision timing devices feature the highest frequency and lowest phase noise available. Our products include: timing modules, commercial oscillators, Hi-Rel/COTS oscillators, and VCOs required in optical networking, wireless noise infrastructure, test and measurement, and avionics.

Attenuators, Oscillators, Synthesizers

Vector Fields Inc. 1454
Aurora, IL

D. Kanevsky, D. Perry, C. Riley

Vector Fields is announcing the release of CONCERTO-6, the integrated software for RF and microwave design. The suite includes conforming FDTD, finite element, and moment method analysis options – all sharing an easy to use geometric modeler. Vector Fields is unique in offering the three main techniques in a single environment.

Software

Vectron International Hudson, NH <i>B. Holbrook</i> Vectron International is a world leader in the design, manufacture and marketing of frequency control, sensor and hybrid product solutions. <i>Filters, Hybrids, Oscillators, SAW Devices</i>	1101	Werlatone Inc. Brewster, NY <i>B. Werlau, P. Kuring</i> Since 1965. High power combiners, dividers, and directional couplers. Multi-octave designs cover 10 kHz to 4 GHz at average power levels to 15 kW. Newly patented 5:1 and 10:1 bandwidth, 90° hybrid couplers. Patented directional coupler designs, providing 6–70 dB coupling, at up to 1000:1 bandwidths. High power Mismatch Tolerant® in-phase and 180° combiners covering HF, VHF, UHF, and S-band applications. <i>Couplers, Hybrids, Power Dividers</i>	1248	news, and technology in all sectors of wireless, covering all frequencies. WDD is “wider wireless” covering emerging technologies and markets. WDD offers its core monthly publication, WDD Asia, WDD China, WDD Design Network, multiple e-Newsletters, and more. WDD is an Advantage Business Media publication. <i>Publications</i>
VIDA Products Inc. Santa Rosa, CA <i>J. Dunseth, R. Parrott</i> VIDA designs and manufactures filters, oscillators and frequency synthesizers that offer compact size, low weight and minimal power consumption. Based on VIDA’s patented technologies and proprietary IP, these products provide superior noise performance and tremendous vibration immunity, over multi-octave tuning ranges, for both the commercial and military sectors. <i>Filters, Oscillators, Synthesizers</i>	642	West Bond Inc. Anaheim, CA <i>R. Straight</i> Manufacturer of automatic, semiautomatic, and manual ESD protected micro bonding equipment and accessories since 1966. Ultrasonic, thermocompression wire/ribbon bonders, eutectic and epoxy die bonders, insulated wire bonders, and pull testers, LED illuminators, heated and cold workholders, temperature controllers, ultrasonic transducers, ultrasonic power supplies, and wire despoolers. Visit www.westbond.com. <i>Power Supplies, Test and Manufacturing Equipment</i>	1030	Xi’an HengDa Microwave Technology Xi’an City, Shaanxi Province, China <i>J. Wu, Y. Duan, H. Wu, M. Woi</i> HenDa Microwave provides microwave components, antennas and telecommunication components to global market. HengDa Microwave consists of microwave and millimeterwave lab, antenna lab, microwave equipment factory and electronic components factory. Our products range from 0.2 to 110 GHz. HengDa Microwave implements TQM and SOP with ISO 9001:2000 certification, which assures HengDa Microwave’s strong commitment to quality standards and customer satisfaction. <i>Attenuators, Connectors/Cable/Adapters, Couplers, Filters, Hybrids, Isolators/Circulators, Millimeter-wave Components, Mixers/Modulators/Detectors, Phase Shifters, Power Dividers, Power Supplies, Switches, Terminations, Test and Manufacturing Equipment, Tubes</i>
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Wave-Tech Gunpo-City, Korea <i>YG Kang, SM Lee, JC Park</i> Wave-Tech company has manufactured many kinds of duplexers, band pass filter, combiner, power divider and directional coupler related to ground wave DMB, Satellite DMB, cellular (GSM/CDMA), PCS (UMPCS), IMT2000, TRS and Wibro (2.4 GHz/2.5 GHz) etc. <i>Couplers, Filters, Millimeter-wave Components, Power Dividers, Switches, Waveguide/Waveguide Components</i>	418	WIN Semiconductor Corp. Kuei Shan Hsiang, Taiwan <i>R. Donahue</i> WIN Semicondry; Pure GaAs fou HEMT, HBT, E-D mode, switch. WIN Semiconductors Corp., the world leading company to provide dedicated foundry services to a design and system-based customer. Our advanced 6” HBT and HEMT MMIC technologies support RF applications from 100 MHz to 100 GHz. Our current customers cover various applications including mobile communications, satellite and auto. We pride ourselves on professional service and competitive price. <i>Amplifiers, Diodes/FETs/Transistors, MMICs, RFICs</i>	613	Z-Communications Inc. San Diego, CA
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