

**Materials, &
Prototyping**

**RF and
Microwave
Components**

**RF Microwave &
Optic Modules**

**Tests &
Measurements**

Software

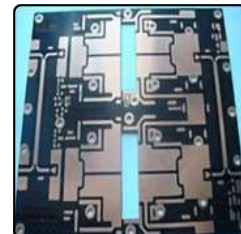
Waveguides

AGC

Your Dreams, Our Challenge

www.agc-multimaterial.com

- ❑ Fiberglass/PTFE based substrates
- ❑ Dielectric constant from 2.1 to 10
- ❑ Very low loss drift vs. Epoxy
- ❑ Prepreg/bond ply substrates
- ❑ High heat dissipation Copper, Brass, Aluminium coated substrates



MATERION

www.materion.com

- ❑ Beryllium oxide (BeO)
- ❑ Aluminium Oxide (Al₂O₃)
- ❑ Very high purity
- ❑ Excellent properties in RF and Microwave



Microwave Absorbers Inc.

www.mwa.co.jp

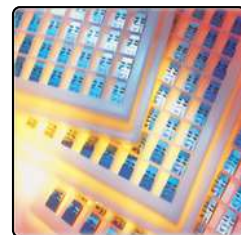
- ❑ Absorbers from 100 MHz to 100 GHz
- ❑ Conformable light weight sheets
- ❑ Ultrawide Band absorber panels
- ❑ Ultra soft shield cloth
- ❑ Shield tents from 100 MHz to 10 GHz



Mintres

www.mintres.com

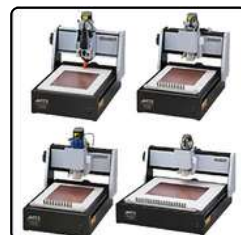
- ❑ CVD Diamond substrates
- ❑ Leading edge thermal management
- ❑ Thin film metallization
- ❑ AlN, AlO_x Substrates



MIT'S ELECTRONICS

www.mitspcb.com

- ❑ PCB prototyping machines
- ❑ 50µm & 100µm Line & Space on PCB board
- ❑ X, Y, Z axis control by software
- ❑ Spindle speed: 40000 to 100000 rpm
- ❑ Ease of use
- ❑ Camera
- ❑ Standard tools

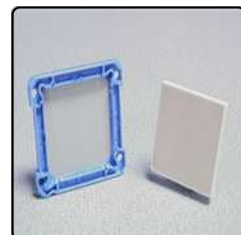


PARICON

Paricon Technologies Corporation

www.paricon-tech.com

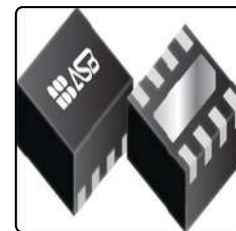
- ❑ Solderless tests interposers to 70 GHz
- ❑ Low insertion loss
- ❑ Optical, RF and Digital applications
- ❑ Pitch from 0.1mm to 1.27mm





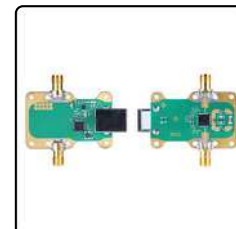
www.asb.co.kr

- ❑ MMIC Amplifiers, ASGa & SiGe technologies
- ❑ Gain block, LNA, Medium Power, Wide Band
- ❑ DC-12 GHz, ITAR FREE
- ❑ Obsolescence replacement
- ❑ PLL Synthesizers, digital attenuators



www.atekmidas.com

- ❑ High-frequency integrated circuits (RFIC/MMIC) / DC - 90 GHz
- ❑ Satellite communications
- ❑ Telecommunications
- ❑ Test and measurement
- ❑ Aerospace and defense
- ❑ Hittite replacement (Analog devices)



www.dalicap.com

- ❑ RF & microwave multilayer ceramic capacitors (MLCC)
- ❑ High Q factor, low losses (ESR/ESL)
- ❑ High stability and reliability in harsh environments
- ❑ Applications: Telecoms, 5G, Test & Measurement, Medical, Space
- ❑ Wide range: High Q, non-magnetic, high voltage series
- ❑ In-house RF laboratory & custom development



www.lansdale.com

- ❑ Obsolete semi-conductors replacement
- ❑ 100% performance accurate builds and same packages
- ❑ FREESCALE, INTEL, AMD, etc...
- ❑ ROHS, REACH, ISO9001 compliant



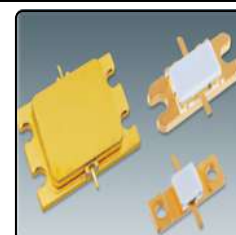
www.pdixtal.com

- ❑ Quartz, Oscillators, TCXO, TCVCXO, VCXO, OCXO,...
- ❑ Mil, Spatial, Telecoms, Wireless
- ❑ On demand development
- ❑ Quartz filters up to 200 MHz
- ❑ Excellent Cost/Performance Ratio



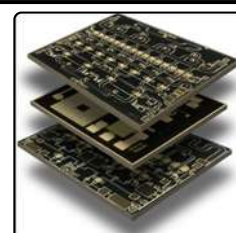
www.sedi.co.jp

- ❑ GaN Technology Leader up to 80 GHz
- ❑ MMIC, internally matched Amplifiers
- ❑ SMT Report up to 80 GHz
- ❑ Power up to 600W in C-Band
- ❑ GaN Amp up to 400W CW in X-Band



www.superapexco.com

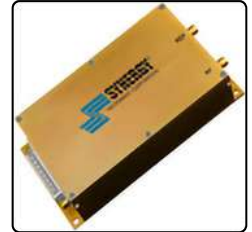
- ❑ Complete range of components: MMIC, LNA, Driver, PA, Mixers, Switches
- ❑ Available as chips, packages, SMD or connectorized
- ❑ Frequencies: from DC to 50 GHz





www.synergymwave.com

- ☐ Ultra-Wide Band VCO, Multi-octave up to 15 GHz, very low phase noise, compact size
- ☐ PLL Frequency Synthesizers, Mixers
- ☐ Exceptionally low phase noise oscillator at 100 MHz



www.thermoptics.com

- ☐ Temperature controlled heater components
- ☐ Laser diode driver
- ☐ Fiber optic power monitor



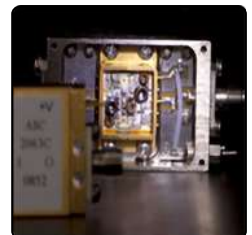
www.tronser.com

- ☐ Capacitors, Air, Sapphire, Tubular



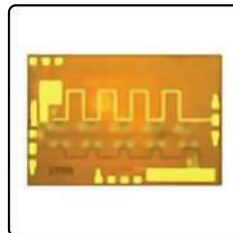
www.amplifiersolutions.com

- ☐ Mil and industrial Amplifiers, from 300 KHz to 6 GHz GaN technology, AsGa, MMIC, Bipolar
- ☐ Connectorized packages, hermetic, hybrid
- ☐ Low Cost and high reliability
- ☐ Low, Medium and High power
- ☐ Short delays



www.eclipsemicrowave.com

- ☐ Double and triple balanced mixers, up to 26 GHz
- ☐ Detectors, Limiters, equalisers
- ☐ Frequency doublers



www.jyebao.com.tw

- ☐ Coaxial connectors DC to 110 GHz
- ☐ Coax adapters, snap on
- ☐ The best quality for the best price
- ☐ Loads, attenuators, rotary joints
- ☐ Coax cables assemblies up to 110 GHz, flexible, test and semi-rigid





**LINEAR
PHOTONICS**

www.linearizer.com

- ❑ RF /Optical emitters/receivers DC – 50 GHz
- ❑ Microwave Photonics Receiver, DC – 20 GHz
- ❑ 19" rack mountable



www.e-meca.com

- ❑ Passive components up to 40 GHz
- ❑ Couplers, power dividers
- ❑ Isolators / Circulators / Attenuators and Loads
- ❑ Bias Tees, DC Blocks
- ❑ "Low PIM" range : -170 dBc
- ❑ High level of quality available from stock



MegaPhase
Our Customers Connect With Us™

www.megaphase.com

- ❑ Coaxial cable assemblies up to 110 GHz
- ❑ Low loss, excellent phase stability
- ❑ Flexibility, robustness, phase matching
- ❑ Low PIM range
- ❑ Short delays



www.diplexers.com

- ❑ RF and microwave filters up to 40 GHz
- ❑ Highpass, Lowpass, Bandpass, Bandreject, Diplexers
- ❑ Précision, Innovation
- ❑ Quality, performance, compact



www.nuwaves-ltd.com

- ❑ LNA, SSPA, Transmitters, Frequency converters, HF to Ku- Band .
- ❑ RF Filters, Bi-directional Amplifiers
- ❑ Best size/weight/power compromise
- ❑ RF Up & Down converter



www.polyphaser.com

- ❑ Coaxial lightning and surge protection, innovating and patented technology
- ❑ Data lightning and surge protection, POE, Cat5, E1 ,...



www.linearizer.com

- ❑ RF /Optical emitters/receivers DC – 50 GHz
- ❑ Microwave Photonics Receiver, DC – 20 GHz
- ❑ 19" rack mountable





www.techniwave.com

- ☐ Subsystems Design and Development up to 86 GHz
- ☐ Frequency Synthesizers up to 26 GHz, low phase noise, good spectral purity
- ☐ Rx/Tx Modules up to Ka Band
- ☐ Production of power modules up to Q band
- ☐ Integration and manufacturing of test benches
- ☐ Development of filter up to 80 GHz



www.colbyinstruments.com

- ☐ High-precision programmable delay line instruments DC-18 GHz
- ☐ High precision, repeatable
- ☐ Precision of 0.5ps steps, up to 200ns max.
- ☐ GPIB, Ethernet, RS232 or Microterminal interface



www.megaphase.com

- ☐ Flexibility, robustness, phase matching, shielding
- ☐ Custom adapters
- ☐ Test and measures cable assemblies up to 110 GHz
- ☐ Ultra low loss, VNA test cables, Low PIM



www.exaktusa.com

- ☐ Precision and performance cutting and grinding devices
- ☐ Precise cut, cutting of complex components
- ☐ sapphire, glass, metal, ceramics price cut, without embedding



www.mwa.co.jp

- ☐ Transportable Faraday cage, shield tents
- ☐ 100KHz to 10GHz, -40dB shielding
- ☐ Light weight anechoic chamber



www.megiq.com

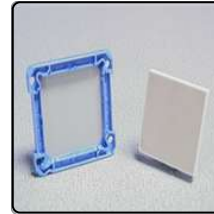
- ☐ RF development tools
- ☐ Easy to use and reliable measurement tools to develop and verify wireless communication and IOT devices.





www.srihermetics.com

- ☐ Solderless tests interposers to 70 GHz
- ☐ Lossless, non-destructive tests
- ☐ Optical, RF and Digital applications
- ☐ Pitch from 0.1mm to 1.27mm



www.totaltemptech.com

- ☐ Thermal platforms (Hot/Cold), Benchtop temp. chambers
- ☐ Temperatures from -100°C to +200°C



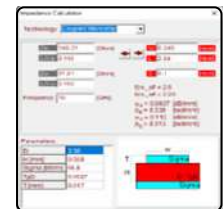
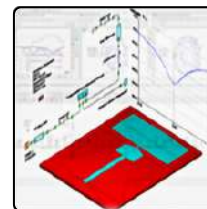
www.triarchytech.com

- ☐ USB Vector Spectrum Analyzers from 100 Hz to 6.2 GHz
- ☐ USB RF Signal Generators from 100 MHz to 2.5 GHz



www.wipl-d.com

- ☐ 3D electro-magnetic solver software



www.miwv.com

- ☐ World leader in millimeterwave products and solutions
- ☐ Frequencies from 7 GHz up to 325 GHz
- ☐ Antennas, Mixers, Amplifiers, ...
- ☐ Frequency sources, switches



www.quantummicrowave.com

- ☐ Power Amplifiers from 2 GHz to 110 GHz
- ☐ Frequencies up to 110 GHz
- ☐ Attenuators, mixers, multipliers
- ☐ Cryogenic components and passband filters



www.vectortele.com

- ☐ Very large range of active and passive components
- ☐ Frequencies up to 330 GHz
- ☐ Excellent Cost/Performance/Quality ratio
- ☐ Wide band antennas, horn antennas



AGC
Your Dreams, Our Challenge

MATERION

Microwave Absorbers Inc.

MinTres

MTS
ELECTRONICS

PARICON
Paricon Technologies Corporation

ASB

LANSDALE
Semiconductors, Inc.

pdi
PRECISION DEVICES INC.

SUMITOMO ELECTRIC
Ingenious Systems

SAC
SUPERAPEX
CORPORATION

SYNCRAY
MICROWAVE CORPORATION

ThermOptics

TRONSTR

WIDLE-D

AMPLIFIED SOLUTIONS CORPORATION

ECLIPSE

EBAO

PHOTONICS

MECA

MegaPhase
Our Customers Connect With Us

WAVE
CIRCUITS
a GCG Company

NuWaves
engineering

iPolyPhaser
an INFINITO brand

SRI HERMETICS

SAC
SUPERAPEX
CORPORATION

QUANTUM MICROWAVE

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Millimeter Wave Products Inc.

VECTOR TELECOM

Colby Instruments

Microwave Absorbers Inc.
R&D & PRODUCTION

EXAKT

PARICON
Paricon Technologies Corporation

slee

TotalTemp
TECHNOLOGIES, INC.

TECH
niwave

TECH - INTER

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Phone : 01 34 94 20 40 / Fax : 01 34 87 76 49
Email : sales@techgroupe.com - www.tech-inter.fr



Qualité / Environnement
Tèch inter and its suppliers
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the European directives on the
protection of the environment.