

DIE HOCHFREQUENZSPEZIALISTEN
THE RF-SPECIALISTS

GLOBES

ELEKTRONIK

LIEFER – UND LEISTUNGSÜBERSICHT 2018

LINE CARD AND PERFORMANCE LIST

- Mikrowellentechnik
- Hochfrequenztechnik
- Leiterplattenbauteile
- Raumfahrttaugliche Bauteile
- Antennen
- Kommunikation und Mobilfunk
- Tuner und Empfängersysteme
- Kabel und Steckverbinder
- Hohlleiterbauteile und Hohlleitersysteme
- Microwave Products
- Radio Frequency
- Board Level Products
- Hi Rel (Space Qualified)
- Antennas
- Telecommunication and Mobile Radio
- Tuner and Receiversystems
- Cables and Connectors
- Waveguide Components and Systems

ÜBER UNS

GLOBES Elektronik ist eine deutsche Vertriebsgesellschaft, die auf Hochfrequenztechnik, Mikrowellentechnik und verwandte Elektronik spezialisiert ist. Niederlassungen befinden sich in Heilbronn (nahe Stuttgart), Norderstedt (Hamburg) und Germering (München).

GLOBES vertritt hervorragende in- und ausländische Hersteller aus den USA, dem Fernen Osten, Europa, sowie Israel und vertreibt deren HF-, Mikrowellen- und elektronische Komponenten, Superkomponenten, Subsysteme, Systeme und Instrumente hauptsächlich in Deutschland, der Schweiz und in Österreich, aber auch in anderen vornehmlich (Ost-) europäischen Ländern. GLOBES kann als Agent, Repräsentant oder Distributor handeln.

GLOBES Elektronik wurde 1995 gegründet. Die Gesellschafter (alle im Unternehmen tätig) und Mitarbeiter repräsentieren mehr als zweihundert Jahre Erfahrung auf dem Spezialgebiet der Hochfrequenz-, Mikrowellen- und Kommunikationstechnik. Die langjährigen Kontakte zu den Partnern, sowohl technisch als auch kommerziell, sind exzellent. Ebenso gut ist das Wissen über alle Produkte.

Daraus resultiert ein fundiertes Wissen der Marktgegebenheiten, der Applikationen und der Produkte. Die Vertriebsingenieure sind gewohnt, mit Technologien wie MMIC, Dünnschicht, Dickfilm, SMD, LTCC, diskreten Elementen, MIC, Microstrip, Stripline, Airline, Suspended Substrates, Koaxial und Hohlleiter, wie auch Kombinationen aus den vorher Genannten umzugehen. Die verwendeten

Halbleiter - Materialien können GaN, GaAs oder Si sein. In Technologien wie Bipolar, CMOS, MOS, FET oder HBT. Der Frequenzbereich liegt zwischen einigen MHz bis über 100GHz.

Mit bewiesenem Erfolg und Erfahrung werden die Märkte der Kommunikation, Automobil, Forschung, Medizin, sowie militärische und raumfahrttechnische Applikationen bedient, wobei die besonderen Erfordernisse jedes einzelnen Segmentes beachtet werden.

Neben dem Tagesgeschäft mit Katalogprodukten konkretisieren wir OEM Verträge und langfristige Kundenprogramme. Zum Vertrieb gehören selbstverständlich auch der Service wie Pufferlager und Logistikvereinbarungen. Die kompletten Import- und Exportprozeduren sind sehr gut organisiert.

All dies, in Kombination mit der Erfahrung in allen kommerziellen Notwendigkeiten, ergibt eine hohe Sicherheit, dass die Interessen von Kunden und vertretenen Herstellern bestens gewahrt werden. GLOBES' Aufgabe ist es, der verlängerte Vertriebsarm der vertretenen Hersteller einerseits und der Anwalt der Kundeninteressen andererseits zu sein.



ABOUT US

GLOBES Elektronik is a German based sales and distribution company in the field of high frequency, microwave and RF electronic technologies. The headquarters are located in Heilbronn (near Stuttgart) and sales offices are in Norderstedt (next to Hamburg) and Germering (close by München/Munich).

GLOBES represents major domestic and foreign suppliers from the USA, Far East, Europe, and Israel to sell their RF, microwave, and electronic components as well as super-components, subsystems, systems and instruments into Germany, Austria and Switzerland, but also some other, mainly (East-) European, countries. GLOBES is set up to act as a representative, distributor and value added reseller.

GLOBES Elektronik was founded 1995. The partners (all actively working in the company) and employees represent more than two hundred years of experience in that specialized field of high frequency, microwave and communication. The long relations to the partners, technically and commercially are excellent, as well as the deep knowledge about all products.

This represents a very strong knowledge of the applications and the markets. The sales engineers are used to work with the technologies of thin- and thickfilm, LTCC, GaAs, GaN, SiC, SMD, surface mount, lumped element, MIC, MMIC, stripline, microstrip, airline, suspended substrates, coaxial, and waveguide as well as combinations thereof and any higher level of integration. Frequency ranges are between some MHz and beyond 100 GHz.

With proven success and experience the markets of communication, automotive, research, medical, military and satellite applications have been supported, following the special requirements and needs of each segment.

In addition to the daily business of selling standard products, large OEM contracts, long term commercial and military programs can be handled as well as the distribution of RF- and microwave components including buffer stock and logistics agreements. The complete import and export procedures are well organized.

This, combined with the strong expertise in commercial matters, assures that the principals interests are kept in the best way. GLOBES' target is to act as the principal's partner and extended arm of the manufacturer in the territory as well as our customer's advocate.

GLOBES

ELEKTRONIK

DIE SPEZIALISTEN FÜR HOCHFREQUENZ

Unser Ziel ist es, ein umfassender und kompetenter Dienstleister für die Kunden zu sein und dabei nicht den kurzfristigen Gewinn, sondern die langfristige, für alle Beteiligten profitable Zusammenarbeit zu finden. GLOBES' Verpflichtung ist Kompetenz und Qualität bei Produkten und Dienstleistungen. Der Erhalt unserer Umwelt und die Beachtung ethischer Grundsätze sind wichtige Bestandteile unseres Wirkens.

THE SPECIALISTS FOR RF

Our target is to be a full and competent service provider for our customers, having not short sighted profits but long term revenue streams and mutual benefits in mind. GLOBES' mission and dedication is competence and quality in products and services.

Protecting our Environment and complying with ethical principles are important parts of our activity.

UNSER VERTRIEBS-TEAM

OUR SALES TEAM

HEILBRONN



DIPL.-ING. RÜDIGER EVERS
Partner, Mitgründer, Geschäftsführer
Tel.: + 49 (0) 7131 7810 – 15
ruediger.evers@globes.de

- 1986 Abschluss Dipl. Ing. Allgemeinen Elektrotechnik an der Ruhr-Universität, Bochum
- Vertriebsleiter für Hochfrequenz- und Mikrowellenkomponenten
- Spezialisiert auf MIL- und Raumfahrtapplikationen

DIPL.-ING. RÜDIGER EVERS
CEO, Partner, Co-Founder,
Phone: + 49 (0) 7131 7810 – 15
ruediger.evers@globes.de

- 1986 Dipl.-Ing Ruhr-University, Bochum
- Since then in the RF and microwave market.
- Sales Engineer / Manager / Managing Director for a company representing US, European and Asian suppliers
- Specializes in MIL and radio applications.



DIPL.-ING. ULRICH BLIEVERNICHT
Partner, Mitgründer, Geschäftsführer
Tel.: + 49 (0) 7131 7810 – 13
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- 1971 Abschluss Dipl.-Ing. Hochschule für angewandte Wissenschaften (FHS), Hamburg
- Seitdem im Markt der HF- und Mikrowellentechnik tätig
- Vertriebsingenieur und Produktmanager bei Sivers Lab/Philips
- 1979 Gründer und Geschäftsführer einer Vertretungsgesellschaft für europäische und US – Hersteller
- Mitglied im IEEE

DIPL.-ING. ULRICH BLIEVERNICHT
COO, Partner, Co-Founder, Managing Director
Phone: + 49 (0) 7131 7810 – 13
Ulrich.Blievernicht@globes.de

- 1971 Dipl.-Ing. University of Applied Sciences, Hamburg
- Since then in the RF and microwave market.
- Sales Engineer and product manager for Sivers/IMA/Philips;
- 1979 Managing Director for a company representing US and European suppliers.
- Member of IEEE.



DIPL.-ING. JAKOB GABRIEL
Vertriebsingenieur
Tel.: + 49 (0) 7131 7810 – 16
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- 2001 Abschluss Dipl.- Ing. für Elektrotechnik an der Universität Stuttgart
- Geschäftsführer für ein IT-Unternehmen
- Seit 2004 Vertriebsingenieur bei GLOBES
- Spezialisiert auf Mikrowellenbauteile, insbesondere Halbleiter und SMD-Bauteile

DIPL.-ING. JAKOB GABRIEL
Sales Engineer
Phone: + 49 (0) 7131 7810 – 16
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- 2001 graduated for Dipl.-Ing. Electrical Engineering at University Stuttgart
- Managing Director for a IT company
- Since 2004 Sales Engineer at GLOBES
- Responsible for Microwave products, especially Semiconductors and Board Level Products

UNSER VERTRIEBS-TEAM

OUR SALES TEAM



DIPL.-ING. JÜRGEN HÄFNER

Vertriebsingenieur

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- 2000 Dipl.-Ing. Elektronik an der FH Heilbronn
- Entwicklungsingenieur für HF-Integrierte Schaltungen bei Atmel Germany
- Applikationsingenieur für UHF-RFID Transponder Systems
- Seit 2009 Vertriebsingenieur bei GLOBES

DIPL.-ING. JÜRGEN HÄFNER

Sales Engineer

Phone: + 49 (0) 7131 7810 - 26

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- 2000 Dipl.-Ing. Electronic Engineering at the University of Applied Science, Heilbronn
- Development Engineer for RF Integrated circuits at Atmel Germany; Application Engineer for UHF-RFID transponder systems
- Since 2009 Sales Engineer at GLOBES



ALEXEJ HERMANOWSKI

Technischer Innendienst,
Marketing, Qualitätsbeauftragter

- 2010 Ausbildung zum Elektroniker für Geräte und Systeme in der Fachrichtung Oberflächen montierte Bauteile
- 2014 Betriebswirtschaftsstudium (B.A.) an der Fachhochschule Heidelberg
- Projektmanager für internationale Projekte im Öl- und Gas Markt sowie als Key Account Manager und technischer Vertriebsmitarbeiter im Automobilbau
- November 2017 für Globes im Techn. Innendienst, Marketing sowie als Qualitätsbeauftragter

ALEXEJ HERMANOWSKI

Technical Inside Sales, Marketing
and Quality Management

- 2010 apprenticeship as an Electronic Engineer working with surface mount devices
- 2014 studies in Business Administration at the University of Applied Science Heidelberg
- Project Manager for international Projects Oil and Gas as well as Key Account Manager and Sales Engineer for Automotive Applications
- November 2017 with Globes and responsible for Technical Inside Sales, Marketing and Quality Management

HAMBURG



DIPL.-ING. (FH) WILHELM H. DOBESLAW

Vertriebsingenieur

Tel.: + 49 (0) 40 514817 - 16

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- 1992 Dipl. Ing. Nachrichtentechnik (FH), Fachhochschule Kiel
- Key Account Manager für SHARP Microelectronics Europe für europäische Distributoren
- Line und Account Manager für SASCO (Arrow)
- Vertrieb Halbleiter sowie Embedded Solutions Systemlösungen
- Seit März 2011 bei GLOBES
- Vertriebsverantwortung von Hochfrequenz- und Mikrowellenprodukte in Norddeutschland

DIPL.-ING. (FH) WILHELM H. DOBESLAW

Sales Engineer

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- 1992 Dipl.-Ing. (FH) University of Applied Sciences, Kiel
- Key Account Manager for SHARP Microelectronics for European Distributors
- Line and Account Manager for SASCO - A Division of Arrow Central Europe
- Sales semiconductor and embedded solutions products
- Since March 2011 Sales Engineer at GLOBES

UNSER VERTRIEBS-TEAM

OUR SALES TEAM

MÜNCHEN



DIPL. ING. (FH) THOMAS SCHULZ
Vertriebsingenieur
Tel.: +49 (0) 89 894606 - 12
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- 1981 Abschluss Nachrichtentechnik an der Universität der Bundeswehr in Neubiberg
- 1982 - 1984 Studium der Datentechnik an der FH München
- Wissenschaftlicher Mitarbeiter beim IRT München, Digitale HDTV-Übertragung über Satellit
- Entwicklungsleiter und Koordination von Großprojekten für breitbandige HF- und Mikrowellen Leistungsverstärker
- Seit 1998 Vertriebsingenieur bei GLOBES

DIPL. ING. (FH) THOMAS SCHULZ
Sales Engineer
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- 1978 - 1981 Studied at the University of the German Armed Forces, Munich, RF and Telecommunications
- 1982 - 1984 Studies at the University of Applied Sciences, Munich, Data Processing and Systems
- Scientific Employee at IRT Munich, Digital HDTV Broadcast systems
- Head of development and co-ordinating and consulting for large systems at a market leading company for high power broadband RF amplifiers
- Since 1998 Sales Engineer at GLOBES



KLAUS BREITSAMETER M.Sc.
Vertriebsingenieur
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- 2008 M.Sc. an der Hochschule München
- Zehn Jahre Erfahrung in der Hardwareentwicklung bei der Siemens AG
- Sechs Jahre Wissenschaftlicher Mitarbeiter (Hochfrequenztechnik) an der Hochschule München
- Seit 2014 Vertriebsingenieur bei GLOBES

KLAUS BREITSAMETER M.Sc.
Sales Engineer
Tel.: +49 (0) 89 894606 - 19
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- 2008 M.Sc. at University of Applied Sciences, Munich
- 10 years hardware development at Siemens
- 6 years Research Associate (RF technology) at the Munich University of Applied Sciences
- Since 2014 Sales Engineer at GLOBES



DIPL.-ING. (FH) CHRISTIAN HABERMANN
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- 1986 Abschluss Dipl.-Ing. Nachrichtentechnik an der FH der Deutschen Bundespost in Berlin
- 1986 - 2004 nationaler und internationaler Vertrieb Rohde und Schwarz, Berlin und München
- 2004 - 2014 Planung und Vertrieb von Koordinatenmesstechnik, zerstörungsfreier Prüftechnik, elektromechanische Datenerfassung in verschiedenen Unternehmen
- Seit 2014 Vertriebsingenieur bei GLOBES

DIPL.-ING. (FH) CHRISTIAN HABERMANN
Tel.: +49 (0) 89 894606 - 18
Sales Engineer
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- 1986 Dipl.-Ing. University of Applied Sciences of the German Telekom, Berlin
- 1986-2004 Different national and international Sales departments of ROHDE&SCHWARZ
- 2004-2014 Planning and Selling of multiple sensor coordinate measurement systems, nondestructive component test instruments, test systems and data acquisition systems for various companies
- Since 2014 Sales Engineer at GLOBES

MÜNCHEN



MARIA VLADOVICH

Vertriebsassistentin

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- 1994 M.A. der Sprach- und Literaturwissenschaften an der «Università degli Studi di Pisa», Italien
- 1995 – 2015 Assistentin des Geschäftsführers in einem Großhandelsunternehmen
- Seit 1995 Fachübersetzungen und Lektorat für italienische und deutsche Universitäten und Verlage
- Seit März 2016 bei GLOBES

MARIA VLADOVICH

Sales Assistant

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- 1994 M.A. in Modern Languages and Literatures, University of Pisa, Italy
- 1995 – 2015 Executive Assistant to the CEO at a wholesale distribution company
- Since 1995 Translations for Italian and German universities and publishing houses
- Since 2016 at GLOBES

HEILBRONN



DORIS OHRNBERGER

Partnerin, Prokuristin, Mitgründerin

Tel.: + 49 (0) 7131 7810 - 11

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- Partner, Gründungsmitglied, Prokuristin
- Leitung Finanz- und Rechnungswesen Controlling
- lange Erfahrung (über 30 Jahre) bei bekannten Vertriebsgesellschaften im Bereich der Elektronik

DORIS OHRNBERGER

CFO, Co-Founder

Phone: + 49 (0) 7131 7810 - 11

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- long experience (more than 30 years) in administrative and managing work in well known sales and distribution companies
- Financial Controller and Manager Administration



MONIKA HÄNISCH

Finanzbuchhaltung

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- Verantwortlich für die Finanz- und Kreditoren- / Debitorenbuchhaltung
- Seit 1998 bei GLOBES

MONIKA HÄNISCH

Financial Accounting

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- Customers / vendors accounting
- Since 1998 at GLOBES

INNENDIENST CENTRAL FUNCTIONS



ANNEMARIE RAY

Leitung Auftragsabwicklung
Tel.: + 49 (0) 7131 7810 - 14
anne.ray@globes.de

- 1978 - 1982 Abschluss zur Industriekauffrau und Sammeln erster Berufserfahrungen
- 1982 - 1986 Elternzeit
- Seit 1986 Auftragsabwicklung in der Hochfrequenz- und Mikrowellentechnikbranche
- Seit 1996 Leitung Auftragsabwicklung / Logistik bei GLOBES

ANNEMARIE RAY

Logistic Manager
Phone: + 49 (0) 7131 7810 - 14
anne.ray@globes.de

- 1978-1982 Graduation as an Industrial Clerk and gathering of first professional experiences
- 1982-1986 Maternity and parental leave
- Since 1986 Order Processing in the RF and microwave market
- Since 1996 Order Processing / Manager Logistics at GLOBES



ANGELIKA BROSI

Auftragsabwicklung
Tel.: + 49 (0) 7131 7810 - 22
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- 1985 - 2002 verschiedene Textilbetriebe (Weberei) verantwortlich für den Bereich Arbeitsvorbereitung und Produktionsplanung
- 2002 Auftragsabwicklung und Materialplanung Leisten für die Caravanindustrie
- Seit 2010 bei GLOBES

ANGELIKA BROSI

Order Processing
Phone: + 49 (0) 7131 7810 - 22
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- 1985 working for several manufacturers of woven fabrics, responsible for production planning and scheduling
- 2002 order processing and material planning for a manufacturer of mouldings
- Since 2010 at GLOBES



CARMEN SCHETTER

Auftragsabwicklung

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- 1982 Abschluss Einzelhandelskauffrau
- 16 Jahre Kauf und Verkauf von echtem Schmuck und Uhren in einem Großhandelsunternehmen
- 15 Jahre Ein- und Verkauf von HF-, Mikrowellen- und Halbleiterteilen
- Seit Juli 2011 bei GLOBES

CARMEN SCHETTER

Order Processing

Phone: + 49 (0) 7131 7810 – 27

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- 1982 – Trained retail saleswoman.
- 16 years purchasing and order processing in jewelry and clocks at a distribution company
- 15 years experience in order processing for RF, microwave and semiconductor worldwide
- Since 2011 at GLOBES



CLAUDIA WOLF

Lageristin

Tel.: + 49 (0) 7131 7810 – 12

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- 1995 – 1997 Ausbildung zur Restaurantfachfrau
- 2009 – 2011 Fachkraft Lager Logistik
- 2011 – 2015 Berufserfahrung Multimedia, Fleischer Einkauf
- Seit Dezember 2015 bei GLOBES

CLAUDIA WOLF

Warehouse Clerk

Phone: + 49 (0) 7131 7810 – 12

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- 1995 – 1997 Graduation as a Restaurant Expert
- 2009 – 2011 Specialist for Warehouse Logistics
- 2011 – 2015 Gathering work experience in warehouses
- Since December 2015 at GLOBES

PRODUCTGROUPS

MANUFACTURERS	SEITE	Antennas	Attenuators Terminations	Amplifiers Multipliers	Cables Connectors	Diodes Transistors Capacitors	Filters Diplexers Multiplexers	Isolators Circulators	Mixers Detectors
AA-MCS	13			C · S · WG			C · S		
AXTAL	25						Q		
Azdec (InfraRed)	32								
Berex	16			S		S			
BoCen Microwave	21		WG					C · WG	
Charter Engineering	22								
Cibred Sud (Dehydrators)	31								
Emisens (Liquid Scanners)	34								
Ferrite Microwave Technology	30		C · WG				C · WG	C · WG	
Filtronic	15						C · WG		
HBH Microwave	17			C · S · MM			C · S		C · S · MM
Holzworth Instrumentation	32			C					
HXI Millimeter Wave Products	13	C · WG · MM	MM	C · WG · MM				MM	
ITF	23						SAW		
Kratos (Eyal, GMI, Herley)	17		C	C · S					
L3 Electron Devices (Tubes)	18			MPM					
L3 Narda - MITEQ	12	WG	C	C · S · WG				C	C
L3 Narda Microwave West	12			C · WG			C · WG	C	
L3 Randtron (Antennas)	26	C · WG							
Linearizer	16								
Link Microtek	31	C · WG	C · WG						
Smiths Interconnect (Lorch)	24						C · WG · S		
LYNX Group	22		C · WG	C · WG	C · S · WG		C · WG	C · WG	
Microwave Application Group	29							C · WG	
MEGA Industries	29	C · WG	C · WG		C · WG		C · WG		
Menlo	23								
Menzel	19								
MiCable	27				C · MM				
Micro Lambda Wireless	25			C · S			YIG		
Microtech (Waveguides)	30		WG				WG		
Opto-MST	33								
RF Morecom	14	C · S	C	C			C		
Sequid	33								
SemiGen	14					S			
Sierra Microwave	20						C	C · WG · S	
Sivers IMA	18								
Southwest Microwave	28				C				
SSI Cable	27				C				
TimeLink	34								
Wenzel Associates	24			C · S			C		C
Yantel	21		C · S						

also S-Level Products

WG = Waveguide

C = Coaxial

S = Solder, Drop-In, Chip, SMD

MM = Millimeter >40GHz

O = Optics

IR = InfraRed

PRODUCTGROUPS

Phase Shifters	Power-Dividers Couplers Hybrids	Oscillators Piezosensors Resonators	Synthesizer	Switches Matrices	TWTs Magnetrons Klystrons Thyratrons	Linearizers Limiters	Sub-Systems Instruments	SEITE	MANUFACTURERS
	C · S			C · S			C · S · WG	13	AA-MCS
		Q · SAW · C · S						25	AXTAL
							IR	32	Azdec (InfraRed)
	S			S				16	Berex
								21	BoGen Microwave
				C				22	Charter Engineering
							C · WG	31	Cibred Sud (Dehydrators)
							X	34	Emisens (Liquid Scanners)
C · WG	C · WG						C · WG	30	Ferrite Microwave Technology
								15	Filtronic
C · S · MM	C · S						C · S	17	HBH Microwave
			C				C	32	Holzworth Instrumentation
				MM			Radios	13	HXI Millimeter Wave Products
								23	ITF
C		C	C	C			C · S	17	Kratos (Eyal, GMI, Herley)
					C · WG		WG	18	L3 Electron Devices (Tubes)
C	C · WG	DRO					C · WG · O	12	L3 Narda - MITEQ
						C · WG	C · WG	12	L3 Narda Microwave West
								26	L3 Randtron (Antennas)
						C · WG · S		16	Linearizer
	C · WG						C · WG	31	Link Microtek
								24	Smiths Interconnect (Lorch)
	C · WG							22	LYNX Group
C · WG				C · WG				29	Microwave Application Group
C · WG	C · WG			C · WG				29	MEGA Industries
				MEMS				23	Menlo
			C	C · S			C · S	19	Menzel
								27	MiCable
		YIG	YIG · VCO				C · S	25	Micro Lambda Wireless
WG	WG							30	Microtech (Waveguides)
							O	33	Opto-MST
							Repeater	14	RF Morecom
							C,S	33	Sequid
								33	SemiGen
				C · S · WG			C · S · WG	20	Sierra Microwave
		VCO					C · S · WG	18	Sivers IMA
							C · MM	28	Southwest Microwave
								27	SSI Cable
							C	34	TimeLink
C	C	Q						24	Wenzel Associates
	S							21	Yantel

SAW = Surface Acoustic Wave

MEMS = Micro Electro Mechanical Systems

YIG = Yttrium Iron Garnet

also S-Level Products

DRO = Dielectric Resonator Oscillator

VCO = Voltage Controlled Oscillator

MPM = Microwave Power Module

Q = Quartz



L3 NARDA-MITEQ

For over 60 years Narda-MITEQ has been serving the Microwave/RF Markets with high quality, reliable Components, Integrated Microwave Assemblies, Subsystems, Space and Satellite Communication Products. Narda-MITEQ is dedicated to achieving technical excellence and satisfying our customers' specific needs by offering catalog products, as well as custom engineered solutions.

Passive Components:

- Couplers
- Power Dividers
- Attenuators
- Terminations
- Phase Shifters
- Mixers
- Doublers
- Modulators

Active Components:

- Amplifiers
- Oscillators
- Synthesizers
- Converters
- Pin Switches
- Switch Filter Banks
- Fiber-Optic Products

SATCOM Products:

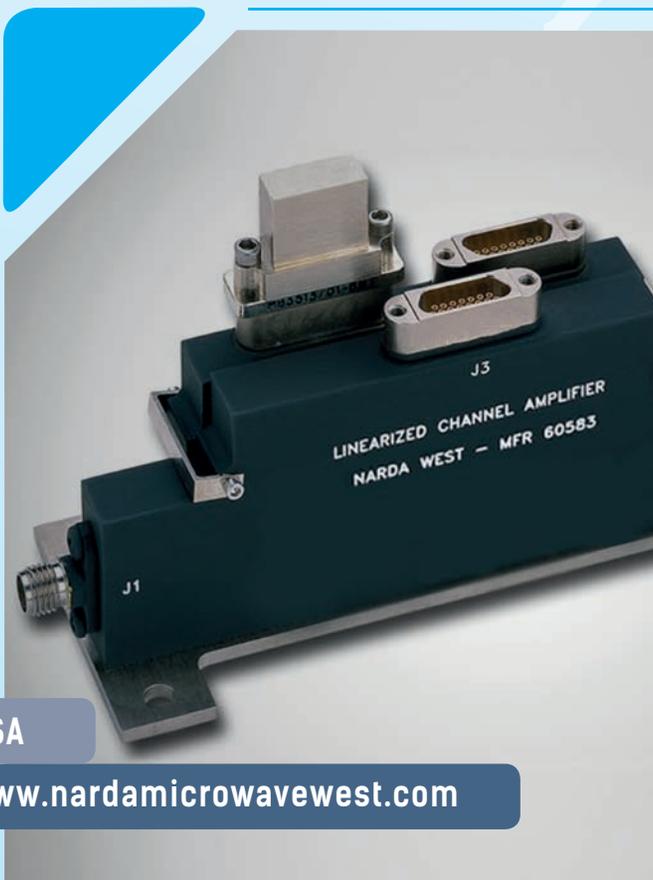
- Converters
- Translators
- Amplifiers
- Switchover Units
- Uplink Power Control
- Equalizers
- Fiber-Optic

WAVEGUIDE · COAXIAL · SMD
DC TO 60 GHz

USA

www.nardamiteq.com

narda  **MITEQ**



L3 NARDA WEST

Components for Space & Defence

- Multipack Design
- Converters/Receivers
- Linearized Channel Amplifiers
- Filters & Diplexers & Triplexers
- Power Dividers
- Isolators & Circulators
- DC/DC Converters
- Custom Amplifiers
- Integrated Microwave Assemblies
- Beacons
- Linearizers

WAVEGUIDE · SMD
COAXIAL · SPACE APPLICATIONS
500 MHz TO 60 GHz

USA

www.nardamicrowavewest.com

narda
microwave-west

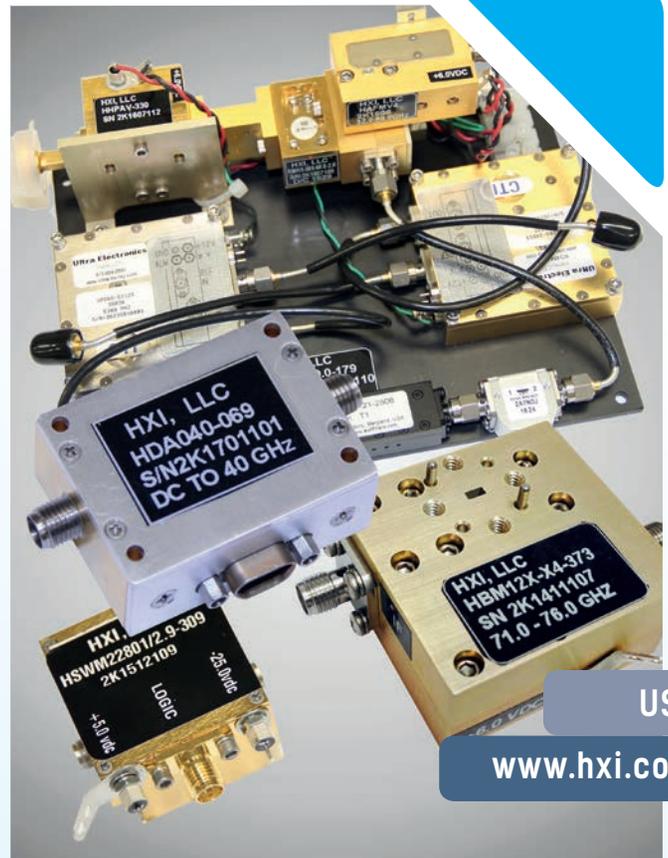
HXI

Components (20 GHz to 110 GHz)

- Power Amplifiers
- Low Noise Amplifiers
- Mixers & Upconverters
- Frequency Multipliers
- Switches & Attenuators
- Isolators & Circulators
- Waveguide & Test Accessories
- Custom Specifications Available

Subsystems (X-Band through W-Band)

- Radar Front Ends (Build-to-Spec), X-Band to W-Band)
- Automotive Radar Test Components and Assemblies (76-81 GHz)
- 5G Test Components and Assemblies (28, 38, 57-71, 71-76, 81-86 GHz)
- Specialized Point-to-Point Radios Educational Institutions & Development Organizations
- Coaxial & Waveguide Products
- Custom Assemblies Available



USA
www.hxi.com

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AA-MCS is a European leader in design, development, and manufacturing of passive and active Radio frequency and Microwave components.

Customized Filters and Diplexers

- Lumped Element
- Cavity
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Customized Power Amplifiers
Customized Passive Products

COAXIAL · WAVEGUIDE · SMD
UP TO 40 GHz



FRANCE
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RF MORECOM

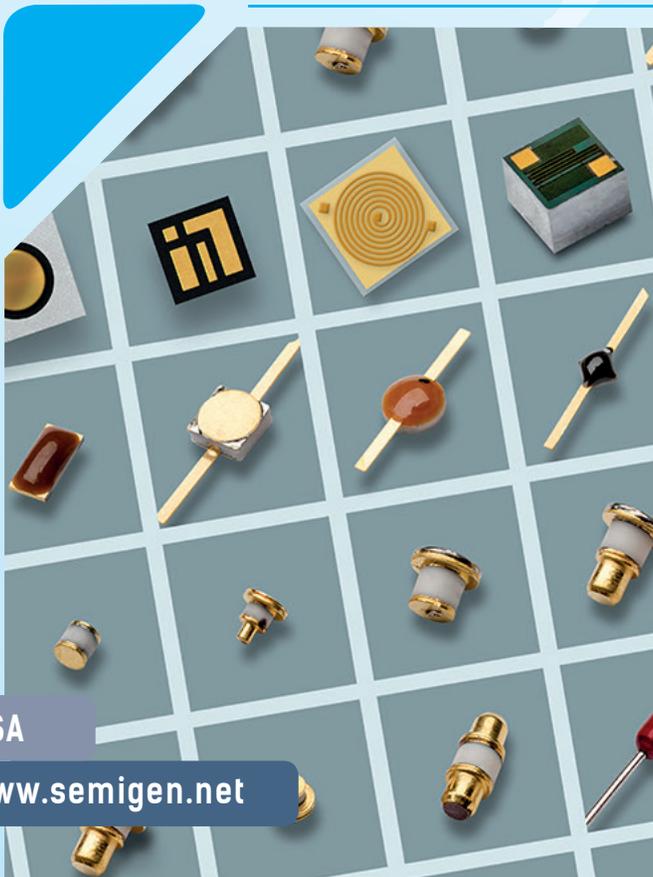
RF MORECOM/RFM Wireless is a market leader for RF and M/W passive and active products such as Filter/Diplexer/Triplexer/Quatroplexer/Multi Combiner/TMA/Coupler/Divider/PA/RF sub module/Switch bank, etc. We make very LOW PIM product below 160dBc at 2 tones with 20 watts testing.

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- Multi Combiner
- FEU (Front End Unit)
- TMA (Tower Mounted Amplifier)
- Cavity Filter/Duplexer
- PA (Power Amplifier)
- Repeater Dual Band / Single Band
- GPS Patch Antenna / Telematic Antenna

COAXIAL · SURFACE MOUNT · SMD
100 MHz TO 4 GHz

KOREA

www.rfmkorea.com



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- Kintier Diodes
- Schttky Diodes
- Step Recovery Diodes
- Point Contact Diodes
- MNOS Chip Capacitors (Space qualified)
- Fixed Attenuator Pads
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SemiGen provided assembly services, and diode products into LEO and GEO satellite applications and has supported TOW and Harpoon missile programs. SemiGen is currently qualified and supports commercial, military, as well as space applications.

SOURFACE MOUNT · SMD
DC TO 50GHZ

USA

www.semigen.net



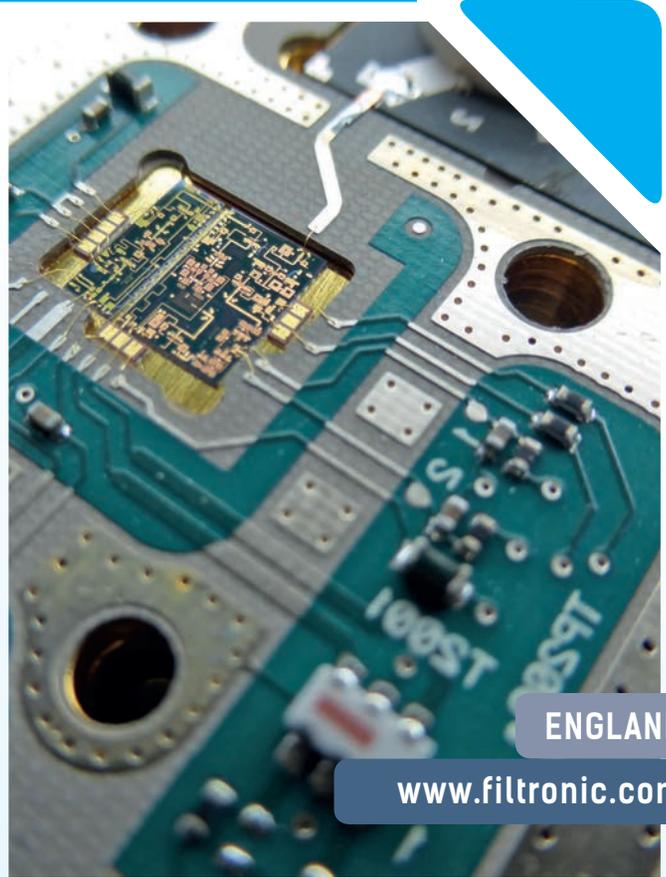
FILTRONIC

Leading-edge technology designer and manufacturer of RF, microwave and mmWave products for telecoms and defence/aerospace OEMs. Core capabilities are centred around three distinct groups:

- mmWave Transceiver Modules
- Defence/Aerospace Components
- Contract Manufacturing and Design Services

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WAVEGUIDE · COAXIAL · SMD
DC TO 110 GHz



ENGLAND

www.filtronic.com



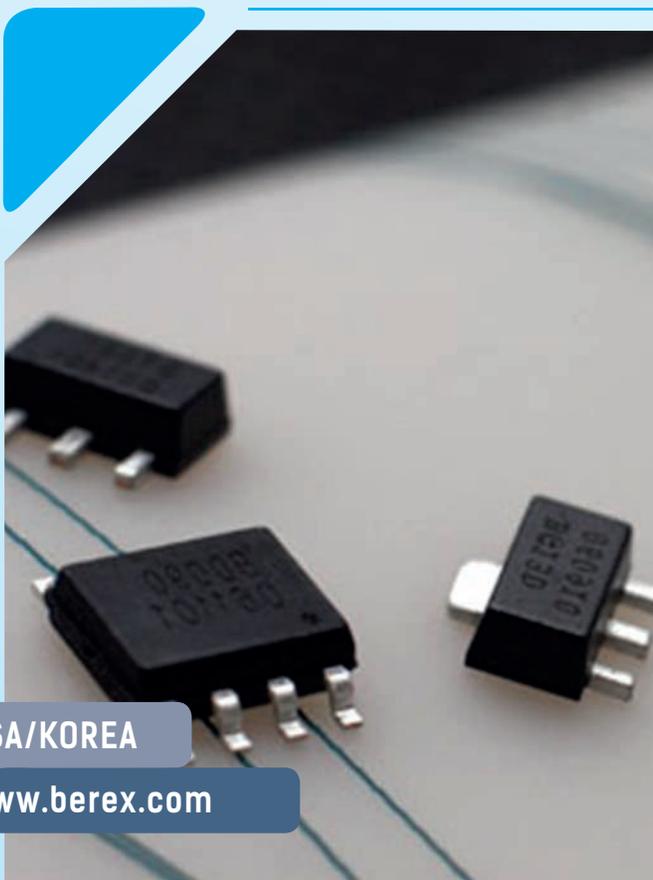
LINEARIZER

Linearizer Technology Inc. (LTI) supplies linearizer for SSPAs, TWTAs and KPAs, for ground, flight and space applications. It can provide linearizers for any frequency from dc through light. Production units to V-band. Rack mount linearizers (WAFLs) for teleports and linearized block upconverters (LBUCs) are now available.

COAXIAL
SMD
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SPACE APPLICATIONS
1 TO 40 GHz

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www.lintech.com



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- Gain Blocks
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- MESFET
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- SMT
- HBT
- pHEMT
- SiGe
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SMD
UP TO 40 GHz

USA/KOREA

www.berex.com

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HBH Microwave was founded in 1999 and is located in Stutensee, part of the Technology Region of Karlsruhe

Space

- 10 years in space
- Front End Modules

Communication

- Front End for SDR
- Railway

Radar

- Front End
- Power Amplifiers

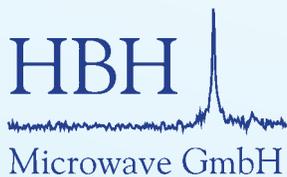
Amplifiers

- Pulse amplifiers
- Power amplifiers up to 20kW

Solution and Service

- Customer specific RF Design

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3 TO 90 GHz



GERMANY

www.hbhmw.de

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DC TO 40 GHz



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Magnetrons

CW | High Power

Klystrons

Medium Power | High Power

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800 MHz TO 50 GHz



Electron Devices

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www.l3t.com/edd

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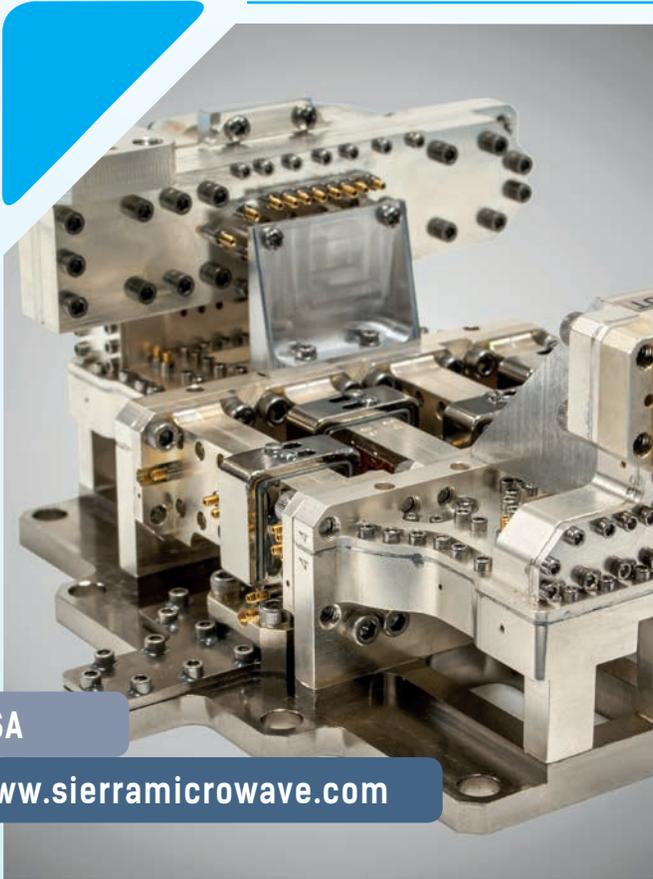
COAXIAL
SMD
UP TO 26.5 GHz

MENZEL



GERMANY

www.globes.de



USA

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SIERRA MICROWAVE TECHNOLOGY

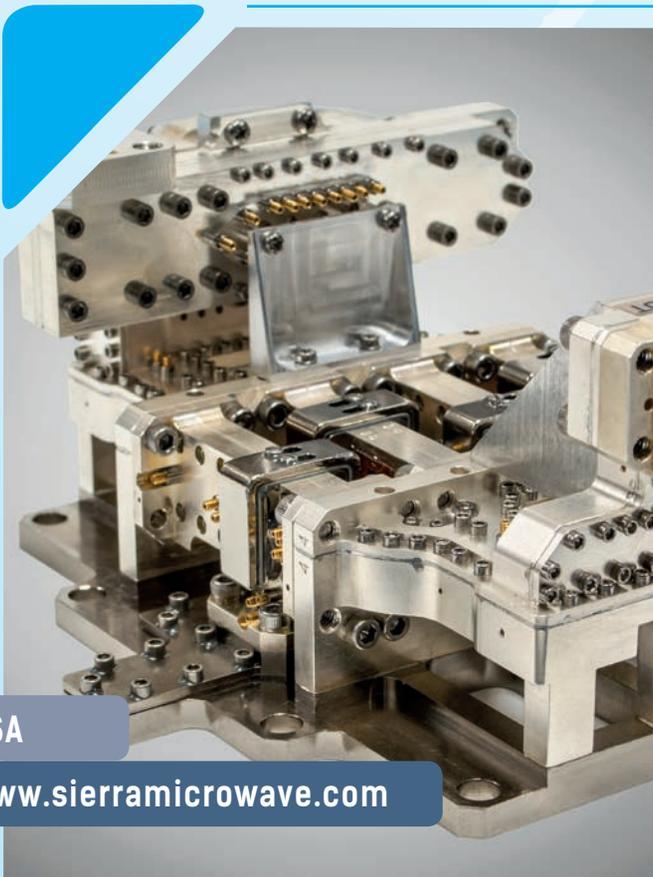
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- Equalizers
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- Hybrids
- Integrated Assemblies
- Ferrite & PIN Diode Switches
- Terminations
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SPACE APPLICATIONS · 500 MHZ TO 65 GHz



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SIERRA MICROWAVE TECHNOLOGY

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- Hybrids
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- Terminations
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SIERRA MICROWAVE

YANTEL

Yantel, founded in July 2004, boasts a strong R&D team of Ph.D, professors and overseas-educated experts. As a national-level High-Tech enterprise, we are in constant pursuit of innovation. By leading edge proprietary technologies in RF microwave active & passive components and IC design techniques in MMIC & RFIC, today's Yantel holds over forty invention patents granted in China, USA, Europe, Korea and Japan, etc.

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- Chip Attenuators
- Miniature Attenuators Fix & Variable & Step
- SMD 3 dB Hybrids
- SMD & IC Directional Couplers
- IC Power Dividers
- SMD Tunable Inductors
- IC Baluns

SMD · COAXIAL
DC TO 26.5 GHz



Yantel



CHINA

www.yantel-corp.com

BOCEN

Isolators & Circulators

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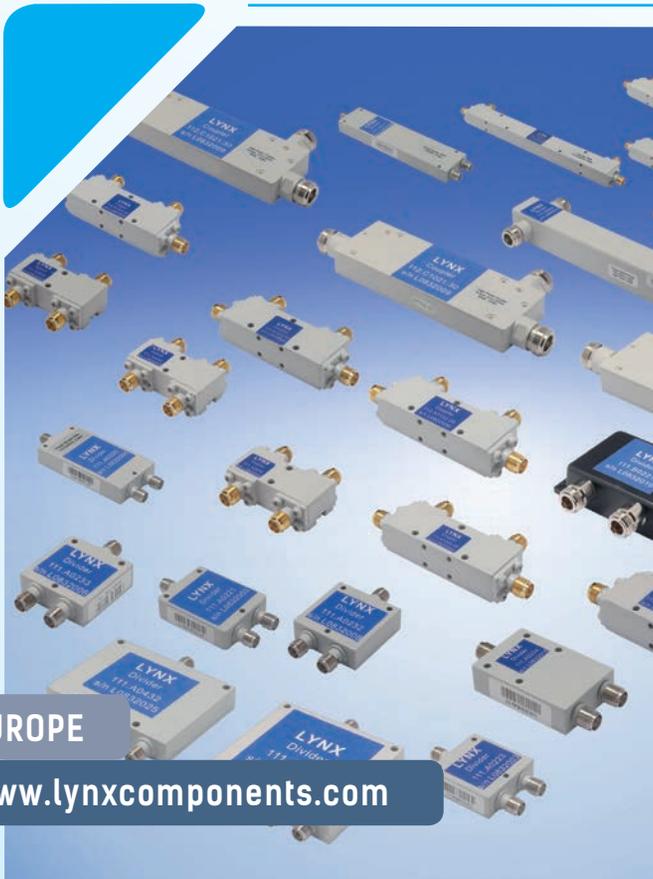
WAVEGUIDE · SMD · COAXIAL
30 MHz to 40 GHz



CHINA

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PASSIVE



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WAVEGUIDE
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DC TO 18 GHz

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COAXIAL
DC TO 40 GHz

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ITF

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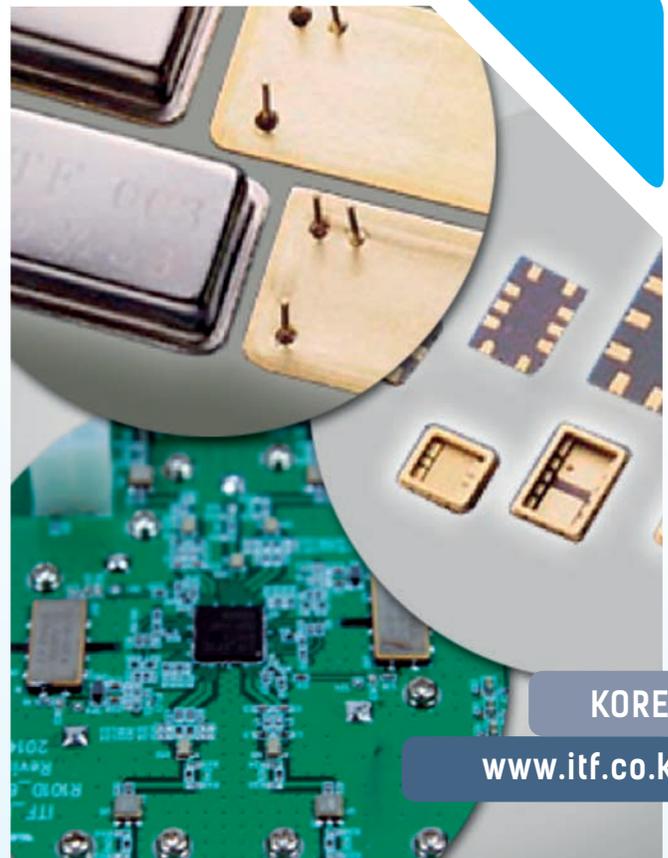
Products

- SAW [IF, RF, Resonators] Filters
- SAW Band Reject Filters
- SAW Notch Filters
- Stripline Filters

Applications

- Repeaters, Radio Links
- Automotive, Home Security, Smart Meter, RFID, GPS+GNSS, Set top Box, WiFi/Bluetooth

SMD
0.1 TO 2.1 GHz



KOREA

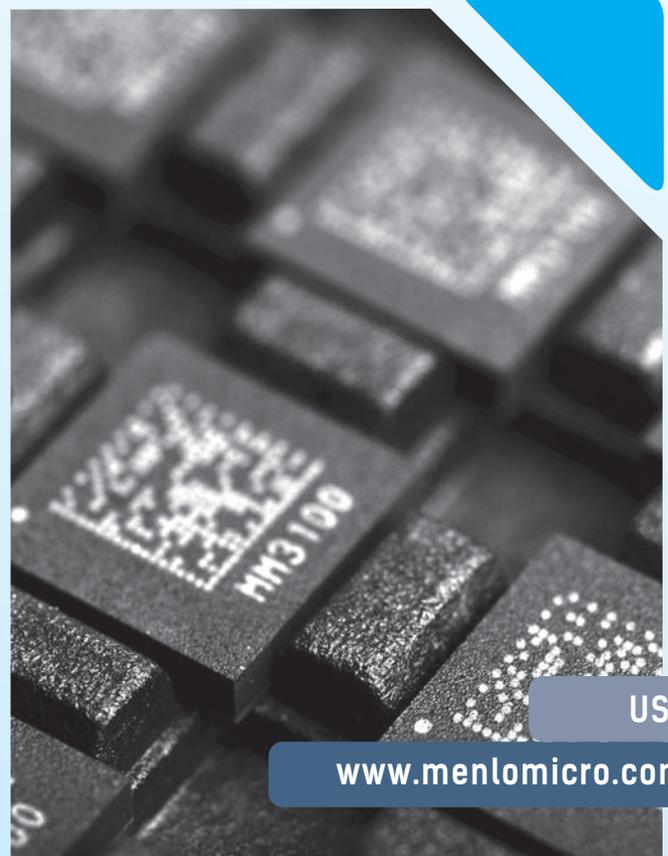
www.itf.co.kr

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Menlo Micro is reimagining one of the most fundamental building blocks of electronic systems – the switch. It's Digital-Micro-Switch platform is a game changer for those who design electronic systems, with products serving multiple industries including: 5G mobile networks, industrial IOT markets, tunable filters & RF front-ends, wireless power transfer, test & measurement and medical instrumentation.

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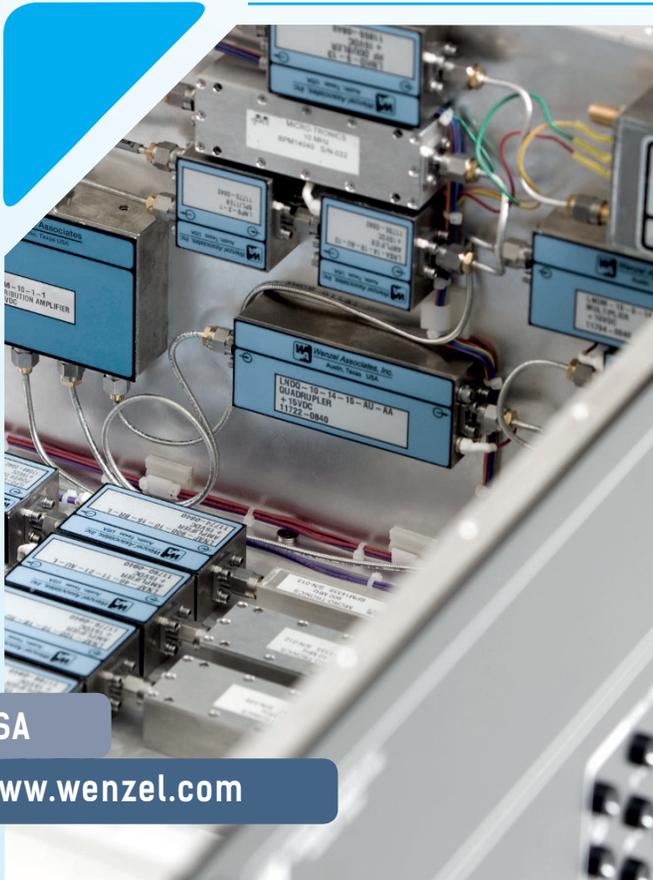
SMD
DC TO 18 GHz



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SPACE APPLICATIONS
1 MHz TO 28 GHz



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- High side sharp

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WAVEGUIDE
30 MHz to 40 GHz

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SPACE APPLICATIONS
1 MHz TO 18 GHz

AXTAL
ADVANCED XTAL PRODUCTS



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MICRO LAMBDA
WIRELESS, INC.



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DC TO 50 GHz



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MICABLE

MiCable Inc. is a joint venture established by SSI Cable Corp., USA & Mitron Inc., China in 2006. MiCable's mission is to offer the global customer high quality products with "Best in Class" customer service & cost saving solutions.

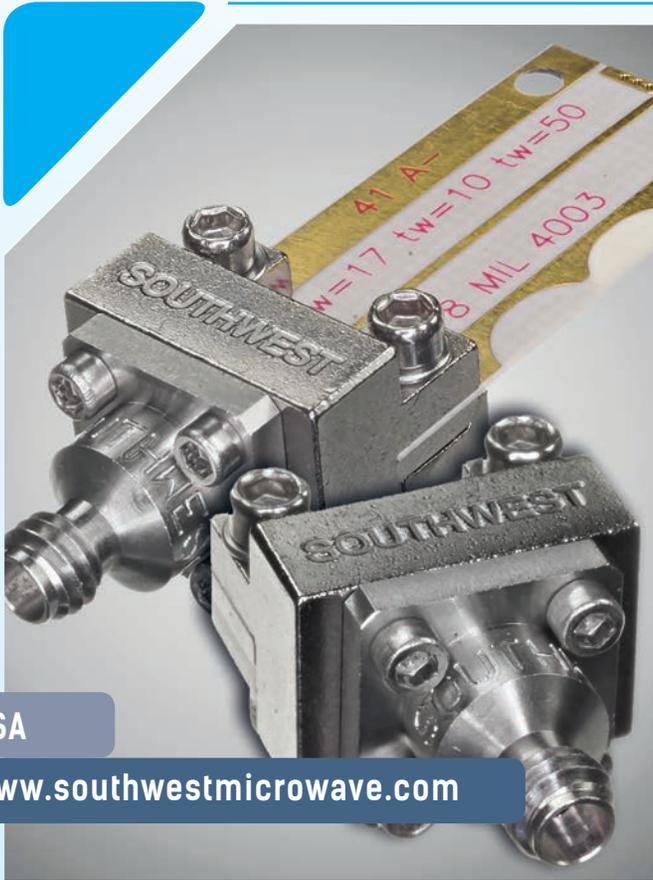
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DC TO 110 GHz



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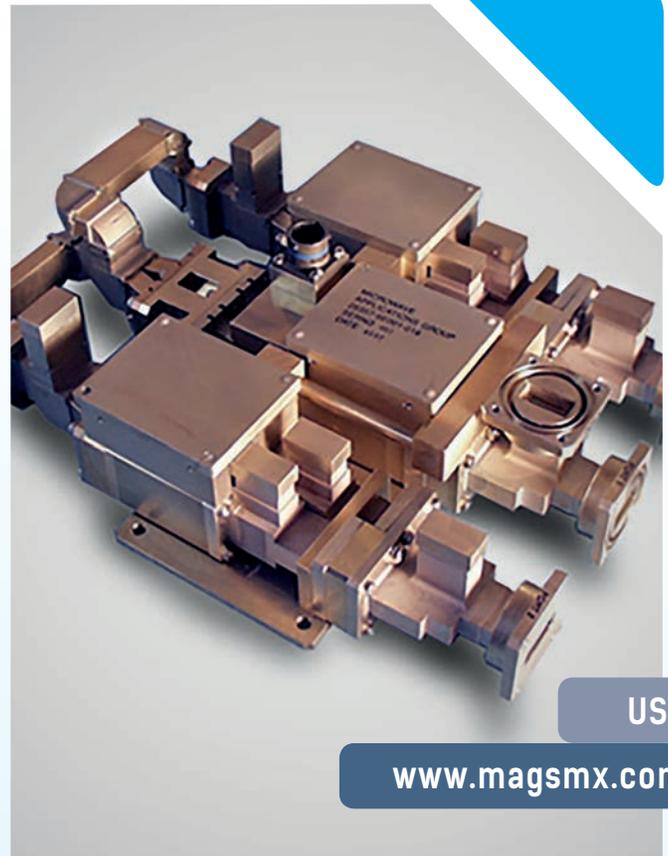
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USA

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WAVEGUIDE · COAXIAL
UP TO 40 GHz



USA

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WAVEGUIDE AND HIGH POWER COAXIAL



USA

www.microtech-inc.com

MICROTECH

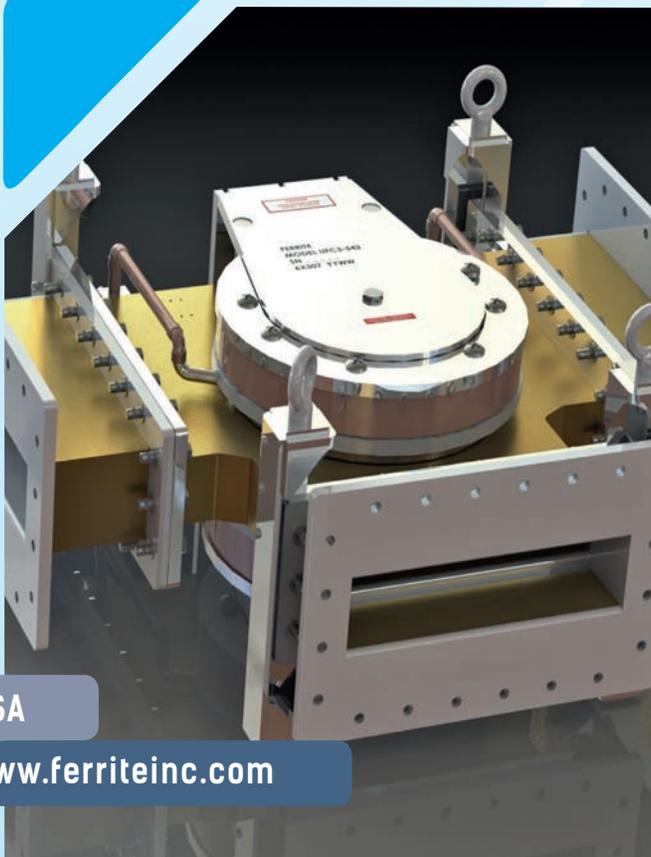
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1 TO 110 GHz



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3 TO 18 GHZ





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DC TO 18 GHz



GERMANY

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GERMANY

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FRANCE

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TIMELINK MICROSYSTEMS

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- Racks & PC Boards: GPS/TIME, PCI, PCIe, PXI, VME
- NTP & PTP Time Server

COAXIAL · SMD · LAN



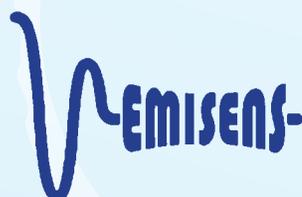
GERMANY

www.emisens.com

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The EMILI series offers unprecedented liquid identification and liquid thread detection capability with emphasis on high throughput and ease of use. We are technology leader in microwave liquid sensing.

EMILI 3 is the flagship of the EMILI series. Combining Emisens' dual-mode sensor technology with infrared and gravimetric analysis leads to unprecedented performance – without compromising the high throughput and ease of use inherent to the EMILI series. EMILI 3 is compliant with the highest international standard for LEDs (liquid explosive detection systems) by the European Civil Aviation Conference (ECAC Standard 3) which comprises the highest priority liquid explosive threats that EU Member States have agreed upon.



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...e.g. Microwave Products

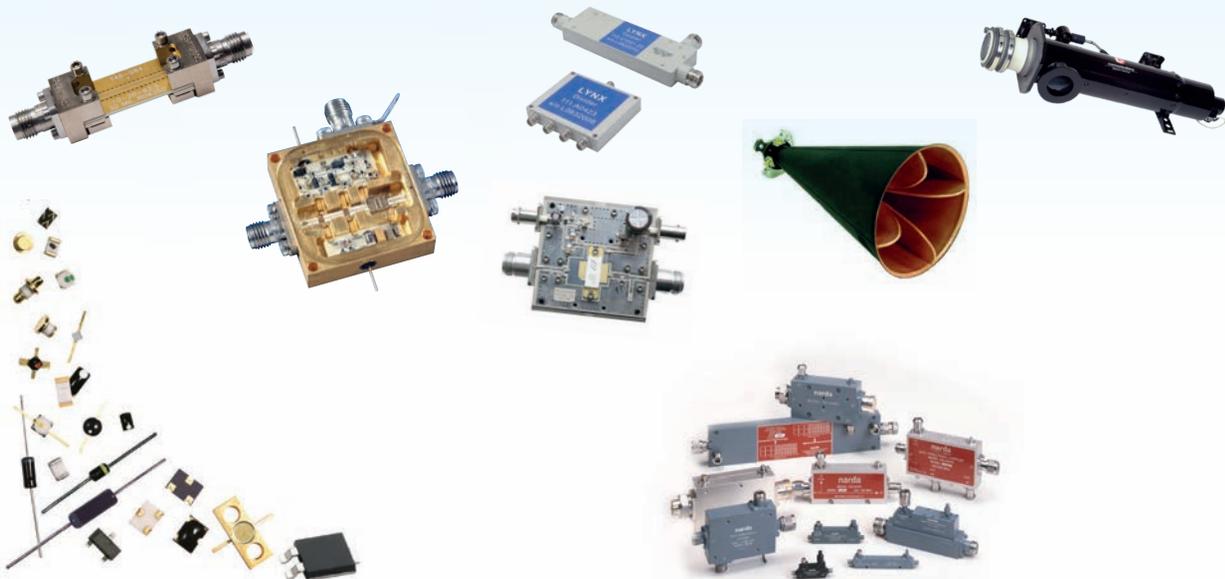
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