

**SUNSTAR商斯达实业集团**是集研发、生产、工程、销售、代理经销、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一，是一家专业代理和分销世界各大品牌IC芯片和电子元器件的连锁经营综合性国际公司。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成强大统一的供货和代理分销网络。我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。专业以现代信息产业（计算机、通讯及传感器）三大支柱之一的传感器为主营业务，专业经营各类传感器的代理、销售生产、网络信息、科技图书资料及配套产品设计、工程开发。我们的专业网站——**中国传感器科技信息网（全球传感器数据库）www.SENSOR-IC.COM** 服务于全球高科技生产商及贸易商，为企业科技产品开发提供技术交流平台。欢迎各厂商互通有无、交换信息、交换链接、发布寻求代理信息。欢迎国外高科技传感器、变送器、执行器、自动控制产品厂商介绍产品到 中国，共同开拓市场。本网站是关于各种传感器-变送器-仪器仪表及工业自动化大型专业网站，深入到工业控制、系统工程计 测量、自动化、安防报警、消费电子等众多领域，把最新的传感器-变送器-仪器仪表买卖信息，最新技术供求，最新采购商，行业动态，发展方向，最新的技术应用和市场资讯及时的传递给广大科技开发、科学研究、产品设计人员。本网站已成功为石油、化工、电力、医药、生物、航空、航天、国防、能源、冶金、电子、工业、农业、交通、汽车、矿山、煤炭、纺织、信息、通信、IT、安防、环保、印刷、科研、气象、仪器仪表等领域从事科学研究、产品设计、开发、生产制造的科技人员、管理人员、和采购人员提供满意服务。 **我公司专业生产、代理、经销、销售各种传感器、变送器、敏感元器件、开关、执行器、仪器仪表、自动化控制系统：** 专业从事设计、生产、销售各种传感器、变送器、各种测控仪表、热工仪表、现场控制器、计算机控制系统、数据采集系统、各类环境监控系统、专用控制系统应用软件以及嵌入式系统开发及应用等工作。如热敏电阻、压敏电阻、温度传感器、温度变送器、湿度传感器、湿度变送器、气体传感器、气体变送器、压力传感器、压力变送、称重传感器、物（液）位传感器、物（液）位变送器、流量传感器、流量变送器、电流（压）传感器、溶氧传感器、霍尔传感器、图像传感器、超声波传感器、位移传感器、速度传感器、加速度传感器、扭距传感器、红外传感器、紫外传感器、火焰传感器、激光传感器、振动传感器、轴角传感器、光电传感器、接近传感器、干簧管传感器、继电器传感器、微型电泵、磁敏（阻）传感器、压力开关、接近开关、光电开关、色标传感器、光纤传感器、齿轮测速传感器、时间继电器、计数器、计米器、温控仪、固态继电器、调压模块、电磁铁、电压表、电流表等特殊传感器。同时承接传感器应用电路、产品设计和自动化工程项目。

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商斯达工控安防网：<http://www.pc-ps.net/>

商斯达电子元器件网：<http://www.sunstare.com/>

商斯达微波光电产品网：[HTTP://www.rfoe.net/](http://www.rfoe.net/)

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地址：深圳市福田区福华路福庆街鸿图大厦 1602 室

电话：0755-83607652 83376489 83376549 83370250 83370251 82500323

传真：0755-83376182 (0) 13902971329 MSN: [SUNS888@hotmail.com](mailto:SUNS888@hotmail.com)

邮编：518033 E-mail: [szss20@163.com](mailto:szss20@163.com) QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529

技术支持：0755-83394033 13501568376

# UMS

## MMIC Solutions up to 100GHz

Your Leading Source for  
Products, Support & Services



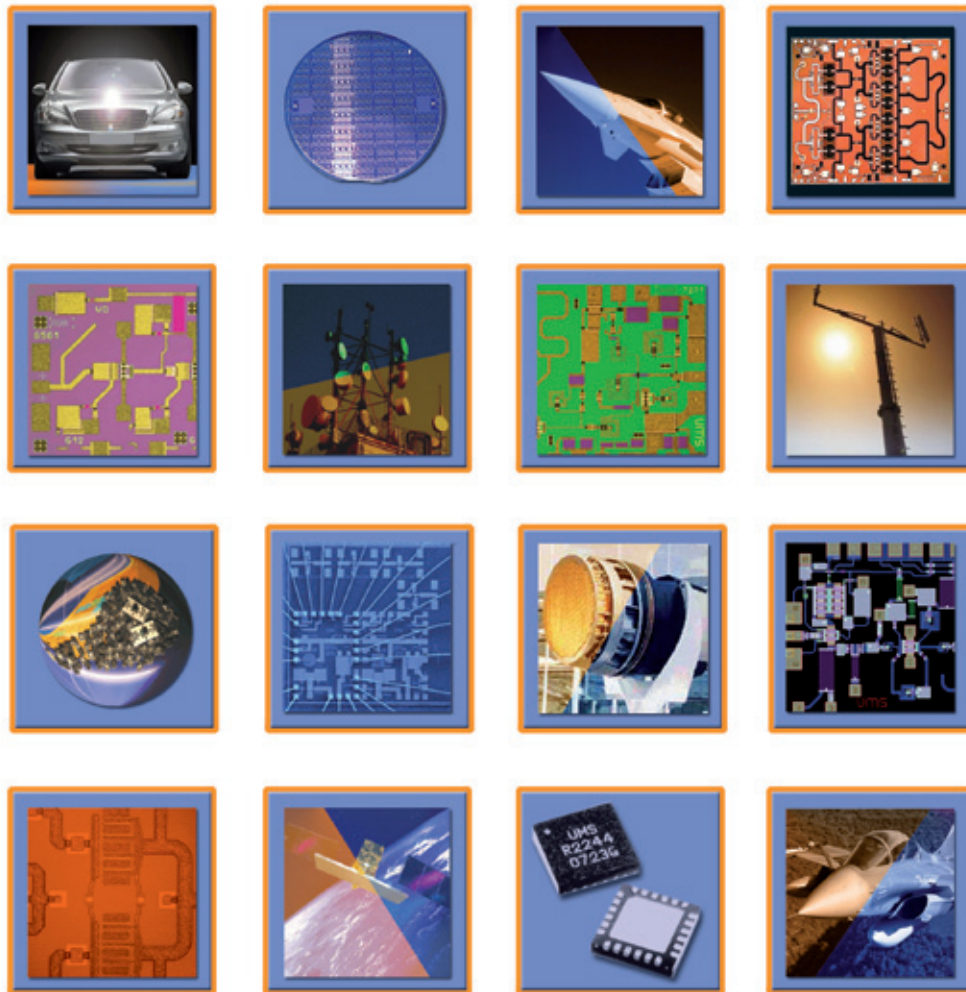
united  
monolithic  
semiconductors



## ABOUT US

United Monolithic Semiconductors (UMS) was created in 1996 to provide a European source of III-V technologies and products.

The Company has industrial facilities in Germany, USA and France (Headquarters).



**Your Leading Source for  
Products, Support & Services**

UMS is a joint venture of Thales and EADS Deutschland GmbH

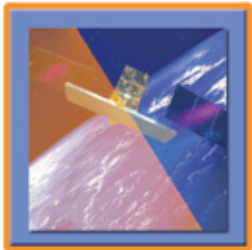
# OUR MARKETS and SKILLS

**United Monolithic Semiconductors designs, produces and markets leading edge RF millimetre wave components and solutions for:**



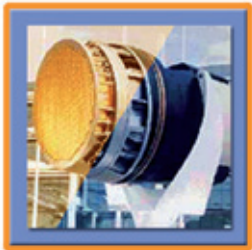
## Telecom Infrastructure

Serving the RF, microwave and millimetre wave needs for the wireless industry, in particular Point to Point, Point to Multi-Point, BTS backhauls and VSAT applications with leading edge products, UMS offers both standard products and ASIC, in bare die and packaged forms. UMS is recognized as a key partner by all of the major Telecom Companies.



## Space

UMS offers an extensive range of Space evaluated and qualified technologies and products with a considerable heritage, coming from the involvement in many major programs in cooperation with the main worldwide players.



## Defence and Security

Offering leading edge technologies and products, particularly for high power applications, UMS has enabled the construction of advanced cost effective EW, Radar and communication systems. UMS is a strategic partner in most of the European Defence programs. This capability is now being extended to serve the emerging Security market.



## Automotive

As a pioneer in the supply of MMIC solutions for Long-Range Radar (77GHz) and Short-Range Radar (24GHz/79GHz) applications, UMS has enabled customers to achieve their required functionalities while reducing costs. UMS continues to offer advanced solutions for all the frequency bands, in both GaAs and SiGe technologies, with innovative architectures and packaging solutions.



## ISM

UMS offers product solutions for the Industrial, Scientific and Medical markets. An example of this is the road tolling application at 5.8GHz where we offer a single chip solution for the on-board equipment in high volume, challenging the performance and cost of conventional discrete solutions.

**Our technologies offer leading edge performance and high volume capability: most are available in foundry services.**

# TECHNOLOGY

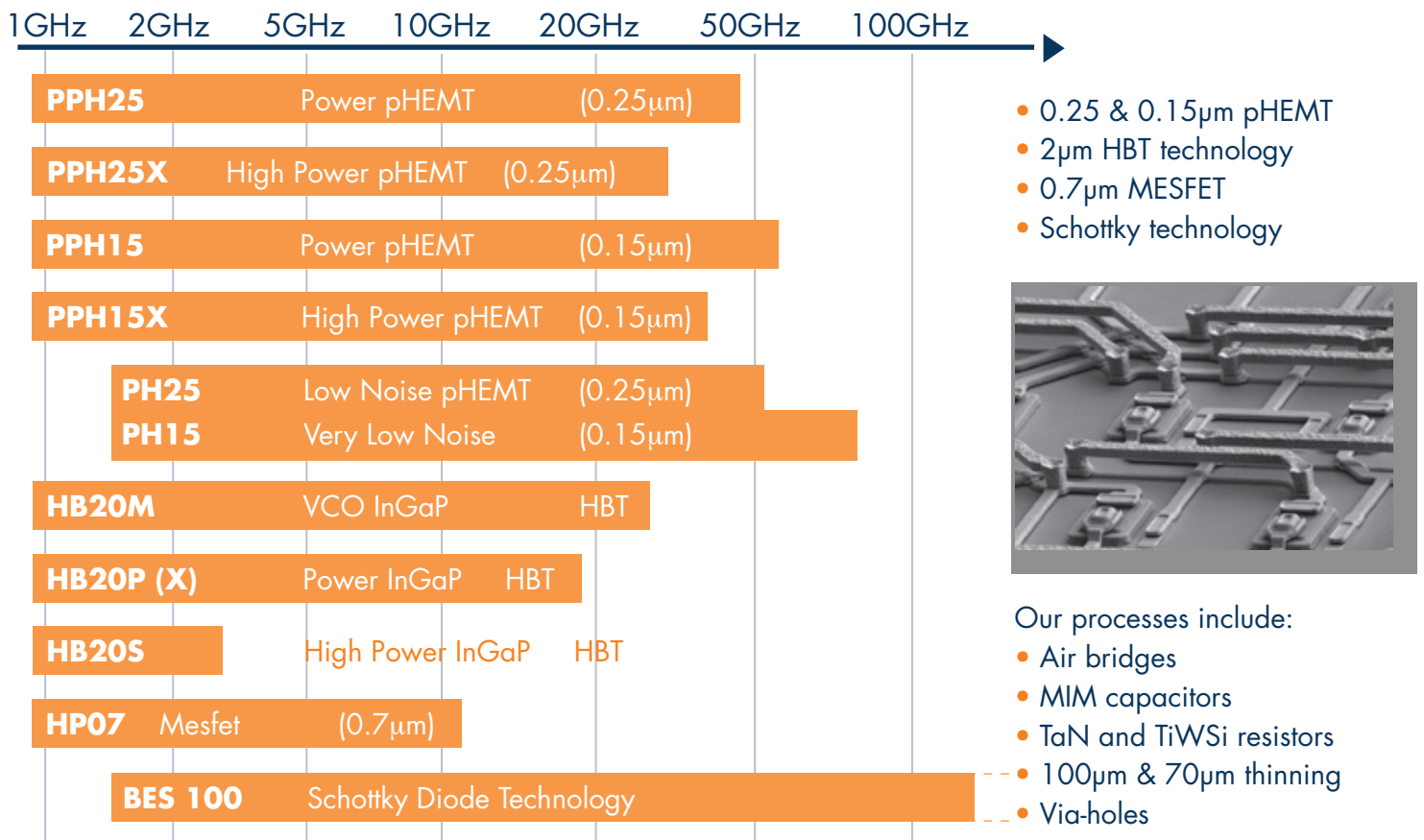
UMS sources most of its GaAs and GaN semiconductor technology needs internally. We do however have external foundry partnerships in place to enlarge this internal capability, particularly for certain high volume applications and for silicon based technologies.

## Our technology roadmap is driven by

- The need to provide new competitive product solutions to our customers through advanced technologies,
- The market demand for foundry services.

## For our technology developments, we benefit from

- An heritage of 30 years of experience,
- A strong internal capability and direct links between product performance and technology features,
- Partnerships with the main European Research Labs for very advanced technology development.



# FOUNDRY SERVICES

European leader in III-V foundry and solutions, UMS offers a wide and unique range of technologies.

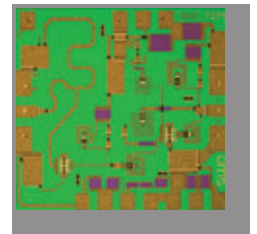
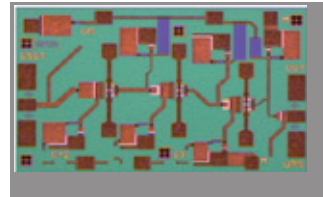
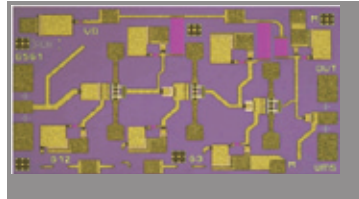


- Optional training course (2 days session) to help you to get the most from your design.
- Process design kits, including extended accurate models, available on commercial platforms.
- Critical Foundry Design Reviews to identify and solve issues at early stage.
- Manufacturing using reliable and space evaluated processes.
- Optional on-wafer testing and sorting for an efficient one shot delivery.
- Optional diced Known Good Die (KGD) delivery.
- Multi Project Wafer organized on a regular basis.
- Packaging solutions available for production.

# PRODUCTS

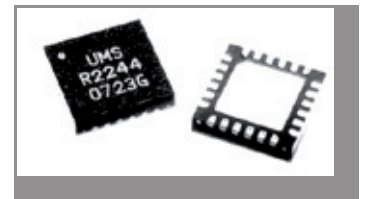
**UMS offers a wide range of State of The Art products up to 100GHz.  
Most of them are available both in die form and in SMD QFN leadless package.  
All UMS products are RoHS compliant.**

Low Noise Amplifier  
Power Amplifier  
High Power Amplifier  
Variable Gain Amplifier  
Digital Variable Gain Amplifier  
Splitter Amplifier



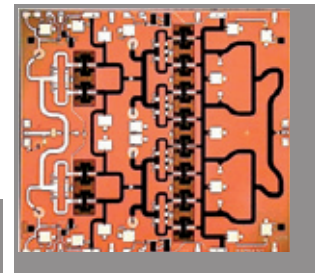
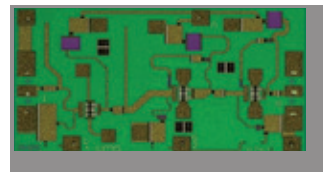
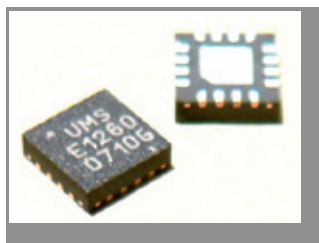
Mixer  
Multiplier  
Down and Up converter  
Core Chip RX – TX

Dielectric Resonator oscillator  
Voltage Control Oscillator



Attenuator  
Detector

Diode  
Phase shifter  
Prescaler  
Switch  
Transistor  
Transponder



**ALL UMS PRODUCTS ARE DETAILED IN  
UMS MMICs SELECTION GUIDE AND ON OUR WEBSITE  
[www.ums-gaas.com](http://www.ums-gaas.com)**

# QUALITY

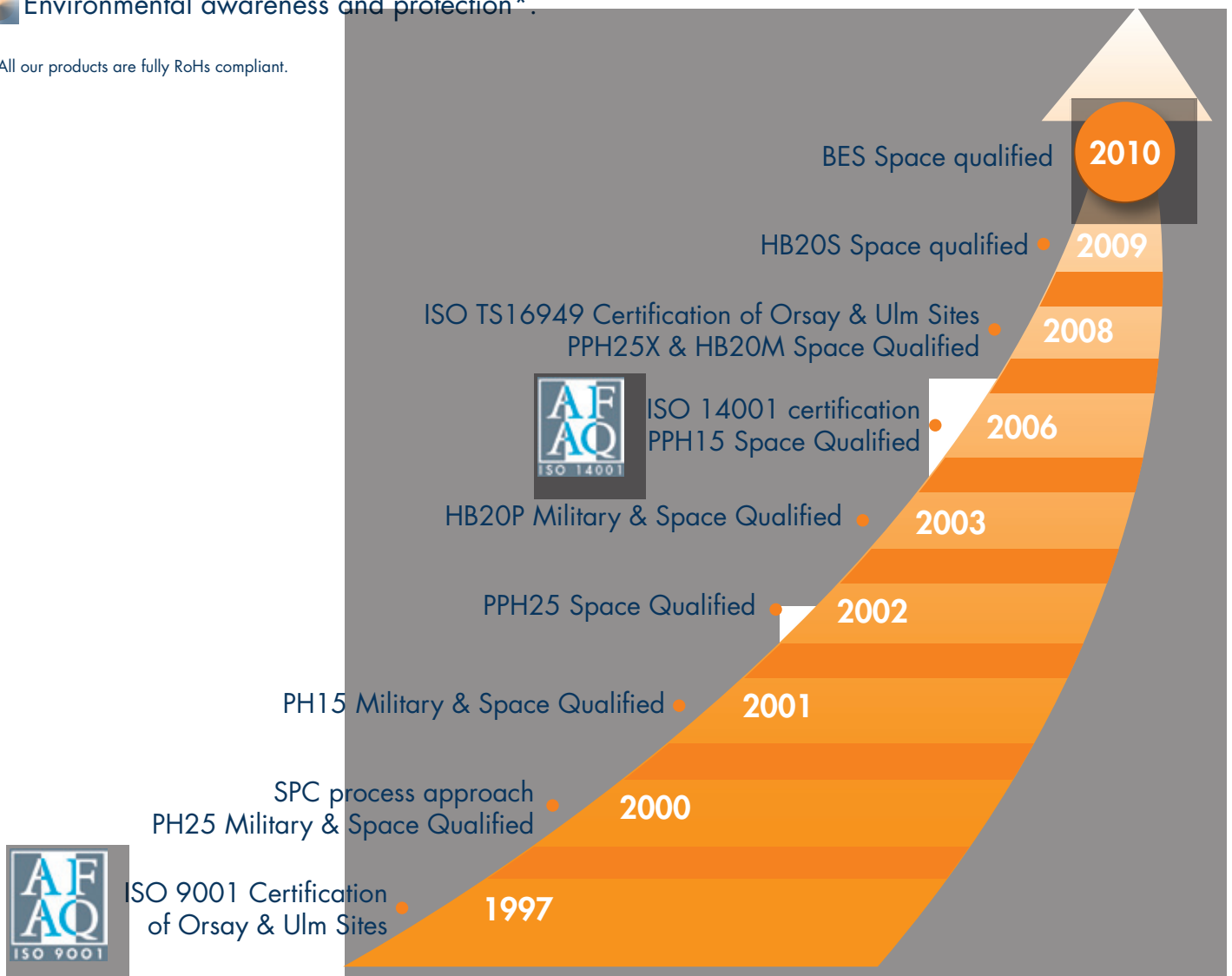
UMS is dedicated to customer satisfaction. All processes are accurately defined and controlled while being continuously improved. The company is certified ISO 9001, ISO 14001 and ISO TS16949.

UMS is committed to offer full Space evaluated processes. UMS is permanently monitoring its technologies through extensive reliability tests including DC, high temperature storage, humidity, bias and RF stress. Products are 100% screened on production automated equipments, both for RF performance and visual inspection, prior to customer delivery.

To meet the growing challenges of our markets, UMS relies on the effective implementation of its Quality Policy:

- Customer satisfaction and loyalty,
- Permanent improvement of competitiveness,
- Employee motivation and development,
- Environmental awareness and protection\*.

\* All our products are fully RoHs compliant.





# CONTACT INFORMATION

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Fax: +33 1 69 33 03 09

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00156 - ROMA - ITALY

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Fax: +39 06 639 02 07

E-mail: [daniilo.lauta@ums-gaas.com](mailto:daniilo.lauta@ums-gaas.com)

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Shanghai 200040 - PR CHINA

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Fax: +86 21 6103 1636

E-mail: [xavier.taltasse@ums-gaas.com](mailto:xavier.taltasse@ums-gaas.com)

# SALES DISTRIBUTOR & REPS

## Distributor (Worldwide)

- RICHARDSON - [www.rell.com](http://www.rell.com)

## Regional Representatives

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### UNITED KINGDOM

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- ADMIRAL MICROWAVES LTD - UNITED KINGDOM  
[sales@admiral-microwaves.co.uk](mailto:sales@admiral-microwaves.co.uk)

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### USA

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- CMI Technical Sales (*Maryland, Washington DC, Virginia, Sussex County Delaware, North Carolina, South Carolina*)  
[jim@cmitechsales.com](mailto:jim@cmitechsales.com), [sales@cmitechsales.com](mailto:sales@cmitechsales.com)
- DURA SALES OF SOUTHERN CALIFORNIA, INC (*Southern California*)  
[jk@durasocal.com](mailto:jk@durasocal.com), [yvette@durasocal.com](mailto:yvette@durasocal.com), [thomas@durasocal.com](mailto:thomas@durasocal.com)
- RF ASSOCIATES (*Massachussetts, New Hampshire, Connecticut, Maine, Vermont, Rhode Island*)  
[sales@rfassociates-ne.com](mailto:sales@rfassociates-ne.com)
- K-TECH SALES (*Northern Carolina, Northern Nevada*)  
[dmoshiri@ktechsales.com](mailto:dmoshiri@ktechsales.com), [kdreyer@ktechsales.com](mailto:kdreyer@ktechsales.com), [mgelphman@ktechsales.com](mailto:mgelphman@ktechsales.com)
- TSR MARKETING GROUP (*Metropolitan NY area + Northern NJ*)  
[info@tsrmarketing.com](mailto:info@tsrmarketing.com), [matthew.eisenberg@tsrmarketing.com](mailto:matthew.eisenberg@tsrmarketing.com)

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### ASIA

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- ALLWIN TECHNOLOGY, Inc - PR CHINA (Catalogue products)  
[sales@allwintek.com](mailto:sales@allwintek.com)
- TMT ENTERPRISE DEVELOPMENT Co - PR CHINA (Foundry service and catalogue products)  
[tmtnanjing@163.com](mailto:tmtnanjing@163.com)
- UM-Services, ltd - JAPAN  
[sales@ums-gaas.jp](mailto:sales@ums-gaas.jp)
- ANYWAVE, Co Ltd - KOREA  
[info@anywave.net](mailto:info@anywave.net)
- DENITEL SDN BHD - MALAYSIA  
[kabir@pc.jaring.my](mailto:kabir@pc.jaring.my)
- CELCOM CORPORATION - TAIWAN  
[celcom@ms10.hinet.net](mailto:celcom@ms10.hinet.net)

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or contact us: [mktsales@ums-gaas.com](mailto:mktsales@ums-gaas.com)**



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UMS USA: +1 978 905 3165

UMS Asia: +86 21 6103 1703

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商斯达工控安防网：<http://www.pc-ps.net/>

商斯达电子元器件网：<http://www.sunstare.com/>

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商斯达实业科技产品网：<http://www.sunstars.cn/>传感器销售热线：

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