



MILITARY & AEROSPACE

- RF, Microwave and Millimeter Wave
- Engineered Solutions
- Optical Products
- Passive & Active Products

 **Richardson
Electronics**
Engineered Solutions

Richardson Electronics. *Providing Engineered Solutions to the Military and Aerospace Market.*

Richardson Electronics is a highly specialized, value-added provider of engineered solutions for the Military and Aerospace markets. With our technical expertise and value-added capabilities, we offer customers products and custom solutions of the most advanced and updated technology.

We understand that reliability and accurate lead times are essential in military and aerospace applications, which is why we have teamed up with the industry's leading manufacturers to provide you with quality products in a timely manner.

FOCUSED APPLICATIONS



MILITARY PRODUCTS

Attenuators
Cables and Assemblies
Capacitors
Circulators and Isolators
Connectors
Crystal Oscillators-TCXO, VCXO, OCXO
DC Power Discrete Assemblies
Driver Amplifiers
Fiber Optic Components
Filters & Filter Banks
Frequency Converters
Frequency Doublers
Limiters
LNAs
Mixers
MMIC and PIN Switches
mmwave Solutions
Multi Chip Arrays and Modules
Phase Shifters
PLLs
Power Amplifiers
Power Dividers
Power Transistors-RF and Microwave
Prescalers
Protection Devices (TVS)
Up/Down Converters
Voltage Regulators
Waveguide Products

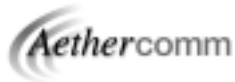


Engineered Solutions

Internet: military.rell.com • E-mail: military@rell.com

Phone: 1-800-737-6937 • 1-630-208-2200

Military Products and Vendors



Aethercomm (W)
Amplifiers, Receivers & Transmitters, L, S & X Band



Amphenol (W)
QPL RF Connectors



What'll we think of next?™

Anaren (W)
Caseless Couplers, Coaxial Couplers, Power Dividers, Coaxial Mixers, Coaxial



APT (W)
Discrete Power & RF Power Transistors - JANTx & JANTxV



A KYOCERA GROUP COMPANY

AVX (A)
Ceramic, Hi Q Capacitors, Transient Protection, Thin Film Products



Celeritek (W)
Amplifier & Amplifier based subsystems (containing attenuators, DC regulators, detectors, video amplifiers, filters, attenuators, duplexers, mixers, switches), Amplifier Products (2-18GHz MMICs Family, X-Band High Power MMICs, High Power Broadband & Narrowband Amps), Multi-Function Assemblies



C-MAC (W)
Frequency Products (OCXO, TCXO, VCXO)



EMPOWER (W)
Amplifiers, Modules and Rack Mount Systems, up to 24 GHz and 2 kW



Eyal Microwave (E, AA)
PIN Switches, High Power Switches, Power Dividers, Limiters, PA, Phase Shifters, Filters & Switched Bank Filters, Custom Designed & Matrix Products



Filtronic (solid state) (W)
MMICs, Microwave Switches, Amplifiers, Custom Super-Components/Subassemblies



GORE (W)
Gaskets, EMI/RFI



Huber + Suhner (A, E)
Wire, Cables & Cabling Solutions, Coaxial RF Connectors



Ingenium (W)
Custom Design Products



Johanson (W)
Fiber Lightwave Adaptors, Variable Capacitors

Franchise Agreement Key:
W - Worldwide
A - Americas
E - Europe
AA - Asia



M/A-COM (W)
MMICs, Power Transistors Power Amp, Drivers, LNAs, Attenuators, Phase Shifters, SPDT Switches, Adapters, Antennas, Cable & Assemblies, Connectors, Splitters, Terminations, Circulators & Isolators, Modulator Driver, Multi-Function Assemblies & Subsystems.



Peregrine (W)
PLL, Prescalers, Switches, MOSFET Quad Array



SEMELAB (W)
Discrete Power (Bipolar Transistors, FETs, JFETs, IGBTs, Diodes) Voltage Regulators, Modulators, DC/DC, MCA (Multi-Chip Arrays)



SEMTECH (W)
Power Discrete & Modular Assemblies (JAN, JANX & JANTX-V) and Protection Products



Spectrum Control (W)
Multisection Filters, Feed thru Capacitors, Filtered Connectors



SV MICROWAVE (W)
RF Connectors & Components
RF Connectors, Assemblies & Attenuators, QPL Products



Tensolite (W)
(QMI/CDI) Wire & Cable Miniature Coaxial, Balanced Line, Twisted Pair, Miniature Lead Wire & Multi-Conductor Cables, RF/microwave Coaxial Cables & Test Cable Assemblies, Coaxial RF Connectors, QPL Products



Times Microwave (W)
Cables, Connectors & Teat Cable Assemblies



TRL Technologies (W)
Custom Design Products



T/MAC Inc. (W)
RF & Power Amplifiers (stand alone amp to full system)



Tyco Electronics (A)
P&B Microdot - Connectors - RF, Rack & Panel, Fiber Optic, Pin & Socket, Printed Circuit Board, High Voltage, Terminals & Splices, Relays, Wire & Harnessing



United Monolithic Semiconductors (W)
Phase shifters, Attenuators, T/R switches, Gain blocks, HPA, Comparators, Multifunction ASICs, Custom HPAs



WiseWave Technologies, Inc. (W)
Custom mm Wave Solutions

Most of our FIBER OPTIC products can be used in ground military applications and avionics. Please contact us for detailed information.

Corporate Headquarters

Richardson Electronics
40W267 Keslinger Road
P.O. Box 393
LaFox, IL 60147-0393
Telephone: (800) 737-6937
(630) 208-2200
Fax: (630) 208-2550
Internet: rfwireless.rell.com
E-Mail: rwc@rell.com

North America**Eastern Sales Region Hdqtrs.**

Ronkonkoma, NY
Telephone: (800) 737-6937
(631) 468-3900
Fax: (631) 468-3950

Central Sales Region Hdqtrs.

LaFox, IL
Telephone: (800) 737-6937
(630) 208-2401
Fax: (630) 208-2662

Western Sales Region Hdqtrs.

Woodland Hills, CA
Telephone: (800) 737-6937
(818) 594-5600
Fax: (818) 594-5650

Northwest Sales Region Hdqtrs.

San Jose, CA
Telephone: (800) 737-6937
(408) 428-3400
Fax: (408) 428-3450

Southeast Sales Region Hdqtrs.

Altamonte Springs, FL
Telephone: (800) 737-6937
(407) 339-6060
Fax: (407) 339-6650

U.S. Exporters

Brooklyn, NY
Telephone: (800) 882-3397
(718) 265-8200
Fax: (718) 265-8250

Canada

Brampton, Ontario
Telephone: (800) 737-6937
(905) 789-3000
Fax: (905) 789-3050

Latin America

Brazil
São Paulo
Telephone: +55 (11) 3845-6199
Fax: +55 (11) 3845-6199

Rio de Janeiro
Telephone: (+55) 21-2521-9000
Fax: (+55) 21-2521-9900

Colombia

Sante Fe de Bogota, DC
Telephone: (57-1) 636-1028
Fax: (57-1) 636-1005

Florida

Ft. Lauderdale
Telephone: (954) 735-4425
Fax: (954) 735-3554

Mexico

Mexico City
Telephone: +52 (5) 55 532-2522
Fax: +52 (5) 55 609-0006

Guadalajara

Telephone: +52 (3) 33 645-4641
Fax: +52 (3) 33 645-4642

Europe**Denmark**

Hedenhusene
Telephone: (+45) 4655-5630
Fax: (+45) 4655-5631

Finland

Oulunsalo
Telephone: +358-8-825-1100
Fax: +358-8-825-1110

France

Colombes Cedex
Telephone: +33 (1) 55.66.00.30
Fax: +33 (1) 55.66.00.31

Nozay

Telephone: +33 (1) 69.80.71.33
Fax: +33 (1) 69.80.76.28

Germany

Puchheim
Telephone: +49 (89) 890 214-0
Fax: +49 (89) 890 214-90

Hamburg

Telephone: +49 (40) 555 88 410
Fax: +49 (40) 555 88 444

Italy

Sesto Fiorentino (FI)
Telephone: +39 (055) 420831
Fax: +39 (055) 4210726

Agrate Brianza (MI)
Telephone: +39 (039) 653145
Fax: +39 (039) 653835

Roma

Telephone: +39 (06) 41.73.37.51
Fax: +39 (06) 41.73.37.49

Netherlands

Amsterdam
Telephone: +31 (20) 446 7070
Fax: +31 (20) 446 7060

Norway

Torod
Telephone: +47 333-86271
Fax: +31 333-83106

Sweden

Stockholm
Telephone: +46 8 564 705 90
Fax: +46 8 760 4663

Spain

Madrid
Telephone: +34 (91) 528 3700
Fax: +34 (91) 467 5468

Barcelona

Telephone: +34 (93) 415 8303
Fax: +34 (93) 415 5379

United Kingdom

Lincoln
Telephone: +44 (1522) 542631
Fax: +44 (1522) 545453

Slough

Telephone: +44 (1753) 733010
Fax: +44 (1753) 733012

Middle East**Israel**

Ra'Anana
Telephone: 972-9-7483232
Fax: 972-9-7416510

Asia/Pacific Rim/Australia**Australia**

Castle Hill
ABN 19 069 808 108
Telephone: +61 (2) 9894-7288
Fax: +61 (2) 9894-7481

Bayswater

ABN 19 069 808 108
Telephone: +61 (3) 9738-0733
Fax: +61 (3) 9738-1807

China

Beijing
Telephone: +86-10-65885547
+86-10-65885548
Fax: +86-10-65885541

Shanghai

Telephone: +86 (21) 6440-0807
Fax: +86 (21) 6440-1293

Shenzhen

Telephone: +86-755-82943786
Fax: +86-755-82940656

Japan

Tokyo
Telephone: +81 (3) 5215-1577
Fax: +81 (3) 5215-1588

Osaka

Telephone: +81 (6) 6314-5557
Fax: +81 (6) 6314-5558

Korea

Seoul
Telephone: +82 (2) 539-4731
Fax: +82 (2) 539-4730

Malaysia

Selangor
Telephone: +60 (3) 5511-5421
Fax: +60 (3) 5511-5423

Philippines

Pasig City
Telephone: +63 (2) 636-8891
Fax: +63 (2) 633-9471

Singapore

Telephone: +65 6487-5995
Fax: +65 6487-5665

Taiwan

Taipei
Telephone: +886 (2) 26983288
+886 (2) 86915238
Fax: +886 (2) 26983285

Thailand

Bangkok
Telephone: +66 (2) 749-4402
+66 (2) 749-4419
Fax: +66 (2) 749-4403

Vietnam

Ho Chi Minh City
Telephone: +84 8.823.3016
Fax: +84 8.823.3017