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RF/Microwave Components, SMT, MMICs & Custom MMIC Development

Low Noise, Cryogenic, Medium Power, Satcom Amps, LNB's & Redundant LNA plates
MMIC Filters, Waveguide Assemblies, Terminations & End-Launch Adapters



High-Power Control Components • HF to 18 GHz

RF Switches and Limiters from 10 Watts to 65KW

Multi-Function Control Assemblies



RF Power Amplifiers from DC to 6 GHz

Modules, benchtop, rack-mount configurations supporting

Electronic Warfare, Communications, Radar, Test & Measurement



High-Power RF & Microwave Transistors - Pulsed and CW

GaN – CW and pulsed transistors to over 2000 Watts

Bipolar – Pulsed transistors to 1500 Watts

LDMOS – Pulsed transistors to 1000 Watts



Coaxial Passive RF and Microwave Attenuation & Switching Products

Attenuators (Fixed, Programmable, Rotary, Custom Assemblies)

Terminations (.5W to 1500W)

Switches (SP2T to SP32T, Matrix); Power Dividers (2-way to 64-way, High Isolation)

Custom Integrated Assemblies; Test Systems



XO, OCXO, TCXO, VCXO, Crystal Filters, Crystals

Ultra-Low Phase Noise, Low-G Sensitivity, High Stability (Stratum 3)



RF & Microwave Diodes and Transistors

Schottky, PIN, Step Recovery, Varactor, and Sampling

Phase detectors; Small Signal Bipolar Transistors, MIS Caps



YIG-Based Components

Oscillators, Filters and Synthesizers from 2 to 50 GHz

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(continued from reverse)

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Military and Space Components Systems and Subsystems

Frequency Source Products - Oscillators, Exciters, Synthesizers, Integrated Microwave Assemblies (IMA)

SMT, Coaxial, Waveguide Ferrite Products - Circulators, Isolators, Switches, Iso-adapters, Filters, Combiners, Diplexers, Terminations, Couplers and Custom Products

Time and Frequency Systems for Satellite Communications

Antenna Systems

Wideband and directional antennas, including log-periodic and horn antennas, from 20 MHz to 40 GHz for broadband surveillance, tracking, and jamming systems. Omnidirectional antennas include conical spirals for broadband surveillance; slant linear bicones for shipboard DF applications; UHF/ VHF stackables for air-to-ground communications; and airborne instrumentation antennas.



Positioners/Controllers

Fixed and mobile positioning systems for use in range telemetry, flight termination, airborne and ground datalink, target tracking and jamming, signal intelligence, and direction finding applications. Positioning systems range from man-portable to 7 meter installations.

SATCOM

Ku-Band and Ka-Band SATCOM antenna systems for non-stop gate to gate in-flight connectivity for commercial large Air Transport, Business Jet and various military applications.

Millimeter-wave solutions, products and systems from 18 to 325 GHz.



Specializing in the engineering, manufacturing, and testing of millimeter-wave components, assemblies, and fully integrated subsystems for SATCOM, test and measurement, radar, and scientific applications.

Filters • Mixers • Detectors • Multipliers • Amplifiers
Switches • Ferrites • Waveguide Couplers • Attenuators