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**High-Power RF & Microwave Transistors - Pulsed and CW**

GaN – CW and pulsed transistors to over 2000 Watts

Bipolar – Pulsed transistors to 1500 Watts

LD MOS – 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

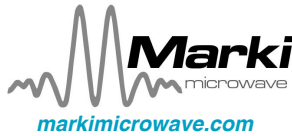


Quartz Crystal Technology

[kvg-gmbh.de](http://kvg-gmbh.de)

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

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



**Broadband RF/Microwave Components**

Active Components (Double/Triple Balanced Mixers, Multipliers, Amplifiers)

Passive Components (Baluns, Bias Tees, Couplers, Filters, Power Dividers)

Custom Designed GaAs MMICs (Mixers, Amplifiers, and Modulators)



**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



**RF Power Amplifiers from DC to 6 GHz**

Modules, benchtop, rack-mount configurations supporting

Electronic Warfare, Communications, Radar, Test & Measurement

(continued on reverse)



*(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

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### **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.

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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