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High-Performance Control Components and Amplifiers to 40GHz

Amplifiers – Broadband, Octave, and Low-Noise
PIN Switches, Limiters, and Switched-Bit Phase Shifters



High-Power RF & Microwave Transistors - Pulsed and CW

GaN – CW and pulsed transistors to 1000 Watts
Bipolar – Pulsed transistors to 1500 Watts
LDMOS – Pulsed transistors to 1000 Watts



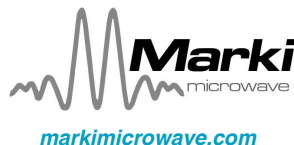
Coaxial Passive RF and Microwave Attenuation & Switching Products

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)



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

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Special Hermetics Products
shp-seals.com

High-Reliability Hermetic Products and Services

Feedthrus/Feedthru Capacitors, Headers, Connectors
Custom Hermetic Housings



RF Power Amplifiers from DC to 6 GHz

Modules, benchtop, rack-mount configurations supporting
Electronic Warfare, Communications, Radar, Test & Measurement



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, Custom
Products

Time and Frequency Systems for Satellite Communications