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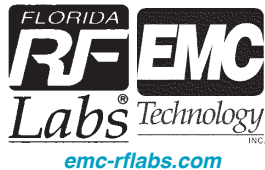
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High-Performance Control Components and Amplifiers to 40GHz

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



Low & High Power Thin & Thick Film Passive Devices & Cable Assemblies

Thermopad® Temperature Variable Attenuators from DC to 36 GHz
Smart Load® Power Sensing Terminations

Resistors, Attenuators, Terminations (BeO, AL-N, Diamond, RoHS, Remote Coaxial)

Coaxial Cable Assemblies to 50 GHz (Flex, Semi-rigid, and Low-loss)
Military, space, and commercial applications. *Custom engineering solutions*



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)



RF & Microwave Filters for Military, Wireless, & Commercial Markets

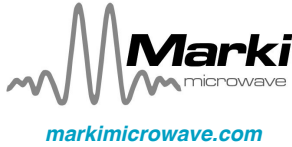
Cavity, Discrete, Waveguide, Tunable, Ceramic, Tubular, Wireless Products
Switched Filter Banks, Filter-based Integrated Microwave Assemblies

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(continued from reverse)



(continued from reverse)



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



Special Hermetics Products
shp-seals.com

High-Reliability Hermetic Products and Services

Feedthrus/Feedthru Capacitors, Headers, Connectors
Custom Hermetic Housings



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



TRAK Microwave Ltd Ferrite Isolators, Circulators, Transitions and Terminations from 300 MHz to 52 GHz for established reliability and COTS applications including commercial space, medical and industrial markets. Custom products.