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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)

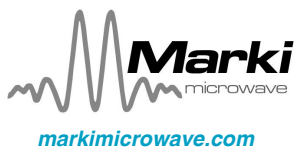
Switches (SP2T to SP32T, Matrix); Power Dividers (2-way to 64-way, High Isolation)

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

*(continued on reverse)*

(continued from reverse)

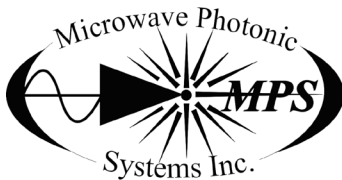


Special Hermetics Products  
[shp-seals.com](http://shp-seals.com)

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**High-Reliability Hermetic Products and Services**

Feedthrus/Feedthru Capacitors, Headers, Connectors  
Custom Hermetic Housings



<http://www.dzdpnotonics.com>

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**RF Photonic Components, Modules, and Subsystems**

Passive Optical Components, RF/Optical Link Modules and Plug-Ins,  
Contract Manufacturing, Harsh Environment Optical Cabling,  
Systems Engineering/Custom Solutions

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**Military and Space Components Systems and Subsystems**



**Frequency Source Products** - Oscillators, Exciters, Synthesizers, Integrated Micro-wave 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