



1614-O Union Valley Road  
PMB #220 • West Milford, NJ 07480  
eFax: 516.908.3573

**NJ / E.PA**

Jim DeRaffele  
p973.728.6047  
c973.222.6733  
jderaffele@rfalliance.com

**NYC /Long Island / S.CT**

Joe Amato  
p631.421.9507  
c516.769.3778  
jamato@rfalliance.com



**Hi-Performance Components to 120 GHz**

- Low Noise / Distributed / Power Amplifiers
- GaAs & GaN
- All Satcom Bands (*X- thru W-Bd*)



**RF/MW Semiconductors to 20 GHz**

- GaN & GaAs MMIC PA'S
- GaAs Driver Amplifiers
- Discrete GaAs FETs / PHEMT's & GaN HEMTs
- MMIC Switches / Filters / Passive Products



**RF Filter Products**

- Cavity, Lumped Element, Suspended Substrate
- Custom High / Low / Bandpass, & Notch Filters
- Di / Tri / Multiplexers, and Switch Filter Banks



**High-Voltage GaN Power RF Transistors to X-Bd**

- Pulsed / CW transistors to over 5000 Watts
- RF Power Amplifier Pallets – Standard & Custom



**Coaxial RF Attenuation & Switching Products**

- Attenuators (Fixed, Programmable, Rotary, Custom)
- Terminations (0.5W to 1500W)
- Switches (SP2T to Matrix); Dividers (2-to 64-way)
- Custom Integrated Assemblies; Test Systems

*(continued on reverse)*

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

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



### **RF & Microwave Diodes and Transistors**

- Schottky, PIN, Step Recovery, Varactor, Sampling
- Phase detectors; Small Signal Bipolar Transistors



### **RF/Microwave Cable Assemblies to 110 GHz**

- Phase/Amplitude-stable performance through Ka Bd
- MegaForm® hand-formable jumper cables
- RF-ORANGE® - The Industry Standard for Bench Testing
- Semi-rigid cable assemblies
- Test components (Dividers, Adaptors, Connectors, Tools)



### **YIG-Based Components**

- Oscillators, Filters and Synthesizers from 2 to 50 GHz
- Bench-top Synthesizers and Tunable Filters for Test



### **Broadband Passive & Active Products**

- Custom RF solutions (IMA's) to 40 GHz
- Attenuators, Terminations, Couplers, Hybrids, WG
- Converters, Switches, Oscillators, Synthesizers, Mixers, PIN