

Coaxial Frequency Multipliers up to 110 GHz



TECHNICAL SPECIFICATIONS

- **Maximum Operating Frequency**
110 GHz output capability
- **Multiplication Factors**
Doublers, triplers, and quadruplers available
- **Form Factor**
Coaxial connectors for standard RF integration
- **Input/Output Impedance**
50 Ohm standard
- **Performance Metrics**
Optimized conversion efficiency and harmonic suppression across multiplication bands
- **Lead Time**
Expedited availability for rapid deployment

APPLICATIONS

mmWave Communications: 5G and emerging 6G frequency generation and testing

Satellite Systems: SATCOM uplink and downlink signal conditioning

Radar and Sensing: Automotive and industrial radar signal sources

Test and Measurement: Network analyzer and signal generator extensions

Defense and Aerospace: Electronic warfare and secure communication subsystems

Research Applications: Laboratory-grade mmWave experimentation and prototyping