

Frequency Multipliers up to 400 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
Waveguide multipliers up to 400 GHz across WR22 through WR06 and higher waveguide standards; coaxial multipliers up to 67 GHz with SMA connector compatibility
- **Multiplication Factors**
Supporting x2, x3, x4, and higher-order multiplier designs
- **Output Power**
Typical power levels ranging from +10 to +20 dBm depending on frequency band
- **Conversion Efficiency**
Optimized designs minimizing DC power consumption and thermal dissipation
- **VSWR Performance**
Input and output return loss specifications ensure seamless system integration
- **Availability**
Substantial inventory with expedited lead times

APPLICATIONS

5G/6G & Telecommunications:
Signal generation and
upconversion for millimeter-
wave frequency bands

SATCOM Systems: Ka-band and
Q/V-band satellite transponder
equipment

Defense & Radar: High-
frequency sensing and
surveillance applications

Test & Measurement:
Laboratory signal sources and
calibration systems

Sub-THz Applications:
Emerging frequency bands
approaching THz operational
windows