

# Waveguide Multiplier up to 400 GHz



## TECHNICAL SPECIFICATIONS

- Frequency Coverage**  
 Up to 400 GHz with waveguide band options from WR22 to WR2.8
- Narrowband Multiplier Modules**  
 WR15 to WR2.8 for precision frequency conversion
- Multiplication Factors**  
 Available in x2, x3, x4, x6, x8, x12, x18, and x24 ratios
- Performance Characteristics**  
 High efficiency and stable VSWR across extended frequency ranges
- Fullband Multiplier Modules**  
 WR22 to WR3.4 frequency range for broadband applications
- Passive Multiplier Options**  
 WR15 to WR3 configurations
- High-Power Variants**  
 Specialized modules designed for elevated power handling requirements

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## APPLICATIONS

Radar Systems: Precision frequency multiplication for advanced radar architectures

SATCOM: Satellite communication systems requiring stable frequency references

5G/6G Development: High-frequency research and prototype validation

Defense and Aerospace: Mission-critical RF and mmWave subsystems

Spectroscopy and Imaging: Scientific research in millimeter-wave and terahertz domains