

Waveguide Oscillators up to 220 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Coverage**
52 GHz to 220 GHz (WR19 to WR4 waveguide formats)
- **Phase Noise Performance**
Exceptionally low phase noise characteristics across the entire frequency spectrum
- **Spurious Suppression**
Low spur levels enabling high signal purity
- **Customization**
Non-standard configurations available upon request
- **Output Power Range**
+10 dBm to +33 dBm depending on frequency band
- **Harmonic Content**
Minimized harmonic distortion for clean spectral output
- **Reference Options**
Internal oscillator or external reference input for flexible system integration

APPLICATIONS

5G/6G & Telecommunications: mmWave carrier generation for next-generation wireless infrastructure and test platforms

Test & Measurement: Reference signal sources for RF/mmWave instrumentation and characterization systems

Radar Systems: Precision oscillators for automotive, industrial, and aerospace radar applications

SATCOM & Defense: Frequency sources for satellite communications and military RF systems