

# WR3 Tx/Rx Module 220-330 GHz



## TECHNICAL SPECIFICATIONS

- **RF Frequency Range**  
220-330 GHz
- **Multiplier Chain**  
x24 internal configuration (x12 variant available)
- **Conversion Gain**  
Typically -17 dB (IF-RF)
- **Waveguide Interface**  
WR3 standard
- **LO Frequency Range**  
Approximately 9.16-13.75 GHz
- **IF Frequency Coverage**  
Up to 30 GHz
- **LO Drive Requirements**  
+3 to +8 dBm

## APPLICATIONS

6G & Telecommunications: Sub-terahertz communication systems and next-generation testbeds

Radar & Imaging: High-resolution security imaging and material characterization platforms

Research & Laboratory: Spectroscopic analysis and mmWave component validation

Defense & SATCOM: Advanced frequency conversion for secure communications