

Waveguide Straights up to 1700 GHz



TECHNICAL SPECIFICATIONS

- **Frequency coverage**
DC-adjacent bands through 1700 GHz
- **Dimensions**
Standard and custom configurations available
- **VSWR**
Controlled characteristics for impedance matching
- **Interfaces**
Compatible with standard connector interfaces and custom terminations
- **Waveguide designations**
WR1.5 to WR2300
- **Insertion loss**
Low across entire frequency band
- **Manufacturing**
Precision engineering for repeatable performance

APPLICATIONS

6G and advanced wireless systems: Supporting research and prototyping for next-generation communication standards

Millimeter-wave and sub-terahertz imaging: Enabling high-resolution sensing and diagnostic systems

SATCOM and aerospace systems: Meeting stringent frequency and environmental requirements

Defense and radar systems: Providing reliable components for critical applications

Laboratory and test environments: Supporting RF characterization and component validation

High-frequency amplifier chains: Integration with LNA and HPA modules