

Waveguide Straights and Bends up to 1700 GHz



TECHNICAL SPECIFICATIONS

- **Waveguide Format Coverage**
WR2300 through WR1.5
- **Frequency Range (Bends)**
Up to 500 GHz operational bandwidth
- **Custom Geometries**
S-bend configurations for specialized routing
- **VSWR Performance**
Optimized for minimal signal reflection across specified frequency bands
- **Frequency Range (Straights)**
DC operation up to 1700 GHz
- **Bend Configurations**
H-plane, E-plane, and split-block variants
- **Mechanical Precision**
Maintained across millimeter and sub-millimeter waveguide dimensions

APPLICATIONS

6G and Terahertz Research:
Sub-terahertz frequency exploration and propagation studies

SATCOM Systems: High-frequency payload integration for next-generation satellite communications

Defense and Aerospace:
Precision waveguide routing in radar, electronic warfare, and reconnaissance systems

Scientific Instrumentation:
Terahertz spectroscopy, imaging, and materials characterization equipment

Automotive Radar: mmWave sensor interconnect solutions for autonomous vehicle platforms

Laboratory Test Environments:
Component characterization and system validation at extreme frequencies