Waveguide Bends up to 1700 GHz

TECHNICAL SPECIFICATIONS

- **Frequency Range**
  WR19 to WR0.65 covering 40 GHz through 1700 GHz
- **Configurations**
  E-plane and H-plane bend geometries
- **Performance**
  Optimized for low insertion loss and excellent VSWR characteristics across operating bands
- **Customization**
  Non-standard angles, flange types, and surface finishes available
- **Waveguide Sizes**
  Complete coverage including WR19, WR15, WR12, WR10, WR8, WR6, WR5, WR4, WR3, WR2.8, WR2.2, WR1.9, WR1.5, WR1.2, WR1.0, WR0.8, and WR0.65
- **Bend Angles**
  Multiple options including 30°, 45°, 60°, and 90° configurations
- **Materials**
  Precision-machined aluminum, brass, and copper constructions

APPLICATIONS

Test & Measurement: Integration into laboratory systems and device characterization setups requiring reproducible performance

Radar Systems: Signal routing in high-frequency radar architectures demanding minimal loss transmission paths

SATCOM & Space: Compact payload integration for satellite communication and RF system architectures

THz Research: Support for spectroscopy, imaging, and material analysis applications in sub-THz and THz frequency bands

5G/6G Infrastructure: High-frequency signal distribution in next-generation communication system layouts