

Waveguide Flanges up to 325 GHz



TECHNICAL SPECIFICATIONS

- **Frequency range**
DC to 325 GHz
- **Waveguide configurations**
WR2300 through WR3 (full range of standard WR-series designations)
- **Materials**
High-grade aluminum and copper alloys for thermal stability and conductivity
- **Plating options**
Multiple surface finishes available for electrical and environmental requirements
- **Mechanical compatibility**
Precision interfaces ensuring repeatable VSWR performance
- **Custom configurations**
Available upon request for specialized mounting requirements

APPLICATIONS

SATCOM Systems: Satellite ground stations and payload interconnects requiring stable, low-loss waveguide transitions

Defense & Radar: Electronic warfare, radar systems, and secure communications across X-, Ku-, Ka-, and W-band

5G/6G Infrastructure: Backhaul and fronthaul networks utilizing mmWave and sub-THz frequency bands

Test & Measurement: Laboratory setups for RF component characterization and system validation

Aerospace: High-reliability interconnections in space-qualified and avionics environments