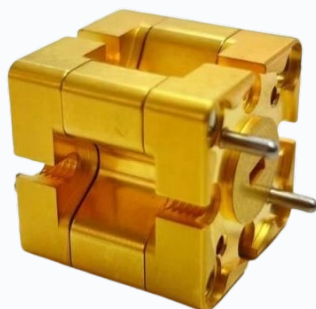


Waveguide Faraday Isolators up to 260 GHz



TECHNICAL SPECIFICATIONS

- **V-Band (WR15)**
50–75 GHz operating range
- **W-Band (WR10)**
75–110 GHz frequency span
- **D-Band (WR6)**
110–170 GHz extended range
- Compact waveguide design enabling space-constrained installations
- Optimized VSWR and insertion loss characteristics across specified bands
- **E-Band (WR12)**
60–90 GHz full-band coverage
- **F-Band (WR8)**
90–140 GHz capability
- **G-Band (WR5 / WR4)**
Extended coverage up to 260 GHz
- Full-band versions eliminating need for tuning or adjustment

APPLICATIONS

mmWave Communications:
5G/6G infrastructure and point-to-point links requiring signal isolation

Test and Measurement Equipment: Network analyzers, spectrum analyzers, and signal generators utilizing mmWave bands

RF Over Fiber (ROF) Systems:
Fiber-optic RF transport requiring precision isolation at component interfaces

Radar Systems: Automotive, defense, and imaging radar platforms operating across multiple bands

Satellite Communications (SATCOM): Ground stations and payload RF subsystems in high-frequency bands