

Waveguide Circulators & Isolators up to 170 GHz

TECHNICAL SPECIFICATIONS

- **Frequency coverage**
Up to 170 GHz, spanning multiple waveguide bands and WR-codes
- **Low-power variants**
Optimized for receiver protection and measurement applications
- **High-power options**
Engineered for transmitter and amplifier stage integration
- **Fullband designs**
Single-unit solutions covering broad frequency ranges without switching
- **Isolation performance**
Exceeding 20 dB across specified operational bands
- **Return loss (VSWR)**
Maintained across the entire frequency spectrum for system compatibility

APPLICATIONS

SATCOM: Component protection in uplink and downlink chains operating at Ka-band and higher frequencies

Defense & Radar: Signal isolation in phased-array systems and precision measurement equipment

5G/6G Infrastructure: Frequency conversion and amplification chain protection in backhaul and fronthaul systems

Automotive Radar: Millimeter-wave isolation in automotive sensing platforms

Research & Development: Laboratory measurement systems requiring broadband isolation across extended frequency ranges