

# Waveguide Transitions up to 325 GHz



## TECHNICAL SPECIFICATIONS

- **Frequency range**  
DC to 325 GHz across portfolio
- **Waveguide standards**  
WR510, WR430, WR340, WR284, WR229, WR187, WR159, WR137, WR112, WR90, WR75, WR62, WR51, WR42, WR34, WR28, WR22, WR19, WR15, WR12, WR10, WR8, WR6, WR5, WR3
- **Configuration options**  
Rectangular-to-rectangular and rectangular-to-circular geometries
- **Insertion loss**  
Low-loss designs for high-efficiency signal transmission
- **VSWR**  
Optimized performance across operating frequency bands
- **Construction**  
Precision machining and surface finish for reproducible RF characteristics

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## APPLICATIONS

Satellite Communications (SATCOM): Interconnecting modular RF subsystems in uplink and downlink chains

Defense & Military Systems: Radar, electronic warfare, and secure communication architectures requiring high-frequency operation

5G/6G Infrastructure: Backhaul and fronthaul networks operating in mmWave frequency bands

Test & Measurement: Integration with spectrum analyzers, network analyzers, and signal generators for component characterization

Automotive Radar: Antenna feeding networks and RF front-end module connections