

Conical Horn Antennas up to 325 GHz



TECHNICAL SPECIFICATIONS

- **Frequency range**
up to 325 GHz for advanced mmWave and THz applications
- **VSWR**
Low characteristics ensuring minimal signal reflection across operating bands
- **Mechanical design**
Compact form factor suitable for integrated RF assemblies
- **Customization**
Custom impedance matching and frequency tuning available upon request
- **Waveguide integration**
Optimized for standard WR-code configurations
- **Radiation pattern**
Consistent gain and directivity for reliable system performance
- **Interface options**
Multiple flange options including SMA and waveguide interfaces

APPLICATIONS

5G and 6G Testing: Antenna measurement and system validation in next-generation mobile networks

SATCOM Systems: High-frequency communication terminals and satellite uplink/downlink configurations

Defense and Aerospace: Radar systems, electronic warfare, and tactical communication equipment

Material Characterization: Dielectric property measurement and RF material testing up to 325 GHz

Research and Development: Academic laboratories and industrial R&D departments requiring broadband antenna solutions

Automotive Radar: Emerging autonomous vehicle detection systems operating in mmWave frequency bands