

# WR3.4 Gain Horn Antenna 220-330 GHz



## TECHNICAL SPECIFICATIONS

- **Model**  
AT-SGA-25-03B
- **Typical Gain**  
25 dBi (alternative versions: 20 dBi and 15 dBi available)
- **3 dB Beamwidth (E-plane)**  
9 degrees
- **Side Lobe Level**  
20 dB (E-plane and H-plane)
- **Waveguide Interface**  
WR-3.4
- **Material**  
Brass, gold-plated
- **Frequency Range**  
220-330 GHz (J-band)
- **Polarization**  
Linear
- **3 dB Beamwidth (H-plane)**  
10 degrees
- **VSWR**  
1.2:1
- **Flange Type**  
UG-387U-M anti-cocking
- **Weight**  
16 g

---

## APPLICATIONS

6G & Telecommunications:  
Development and  
characterization of mmWave  
communication systems for  
next-generation wireless  
networks

Measurement & Testing:  
Antenna gain and radiation  
pattern measurements in  
laboratory test benches and  
calibration setups

Radar & Defense: Radar cross-  
section measurements and  
foreign object detection (FOD)  
systems

Research: Material  
characterization and scientific  
research at terahertz  
frequencies