

Standard Gain Horn Antenna

WR-1.9/400-600GHz/25dBi Typ, Gain

Model: TL-1.9SHA25

TL-1.9SHA25 is a standard gain horn antenna that operates from 400 GHz to 600 GHz. The antenna offers 25 dBi nominal gain. The input of this antenna is a WR-1.9 waveguide with UG-387/U-M anti-cocking flange. The standard gain horn is offered for antenna range calibration purpose mainly, but it can be also used for general purpose system set ups.

Features:

- Operating Frequency 400 to 600 GHz
- Gain: 25dBi Typ
- Linear Polarization
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Electrical Characteristics:

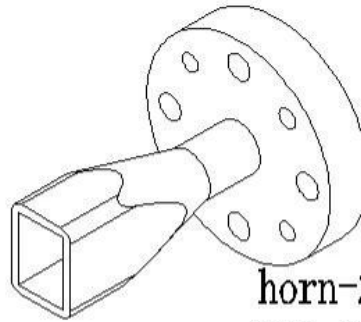
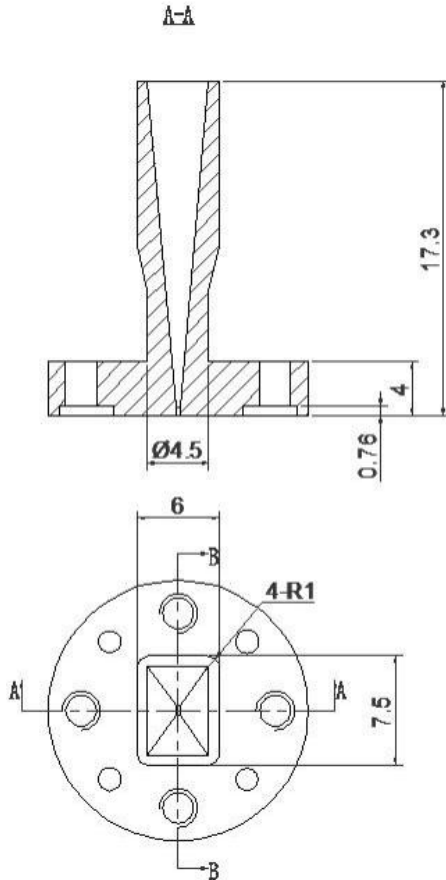
Parameter	Min	Typ	Max	Units
Frequency Range	400		600	GHz
Gain		25		dBi
Polarization mode	Linear			
Input VSWR			1.15	:1
Output mode	APF1.9			
3dB Antenna Beamwidth		10		°

Envrionmental And Physical Characteristics:

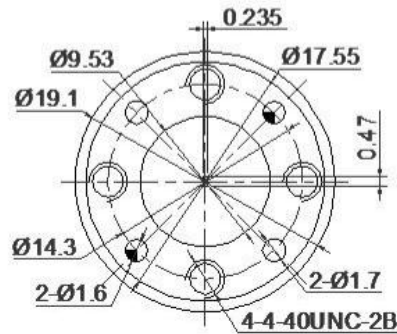
Description	Parameter	Units
Material	Brass	
Finish	Conductive oxidation, spray sea gray paint	
Connectors	WR-1.9	
Size	ø19.1*17.3	mm
Weight	20	g

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



horn-25
WR1.9: 400-600GHz



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TL-1.9SHA25	Standard Gain Horn Antenna, 400-600GHz, Gain: 25dBi Typ.	Rev.1.0