

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

电气特性 Electrical Characteristics:

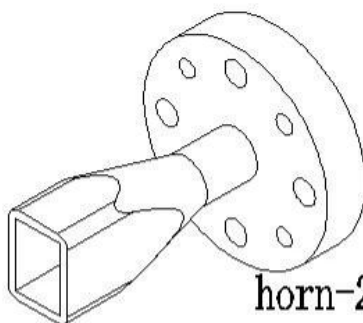
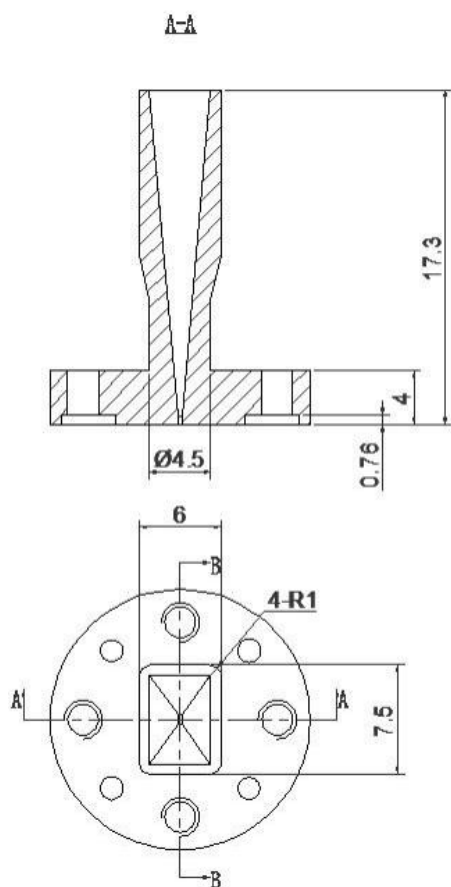
参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	400		600	GHz
增益 Gain		25		dBi
极化方式 Polarization mode	Linear			
驻波 Input VSWR			1.15	:1
输出形式 Output mode	APF1.9			
3dB波束宽度 3dB Antenna Beamwidth		10		°

环境和机械特性 Envriental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
材质 Material	Brass	
表面处理 Finish	Conductive oxidation, spray sea gray paint	
接口 Connectors	WR-1.9	
尺寸 Size	ø19.1*17.3	mm
重量 Weight	20	g

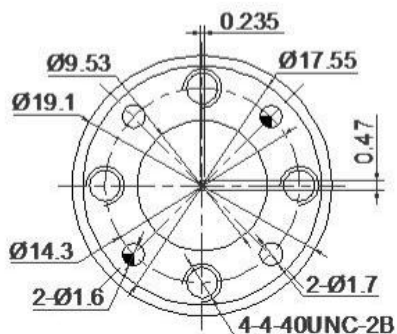
外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



horn-25

WR1.9: 400-600GHz



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

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TL-1.9SHA25	Standard Gain Horn Antenna, 400-600GHz, Gain: 25dBi Typ.	Rev.1.0