

Standard Gain Horn Antenna

WR-4.3/170-260GHz/29dBi Typ, Gain

Model:TL-4SHA29

TL-4SHA29 is a standard gain horn antenna that operates from 170 GHz to 260GHz. The antenna offers 29 dBi nominal gain. The input of this antenna is a WR-4.3 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 170 to 260 GHz
- Linear Polarization
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Electrical Characteristics:

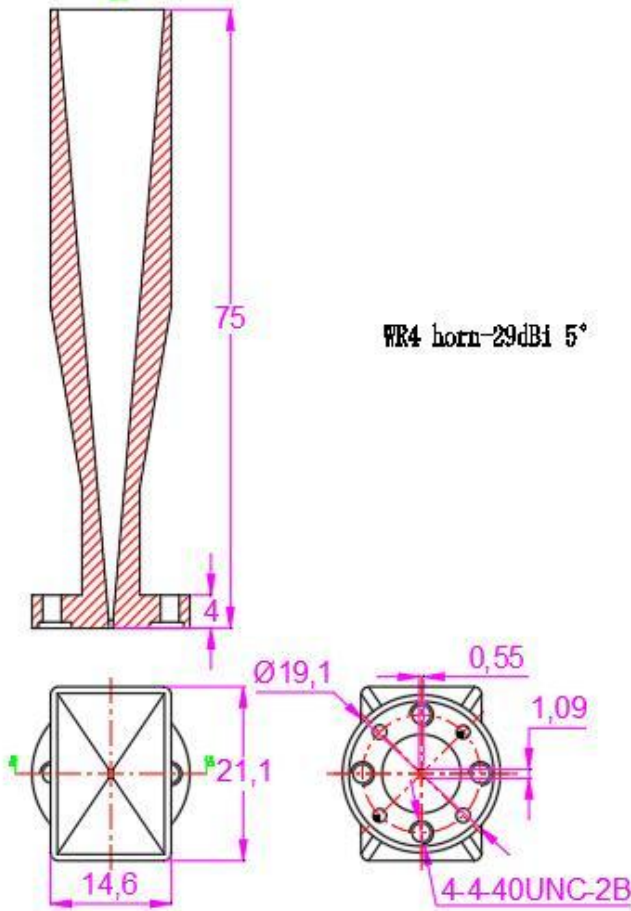

Parameter	Min	Typ	Max	Units
Frequency Range	170		260	GHz
Gain		29		dBi
Input VSWR			1.15	:1
3dB beamwidth		5		°

Environmental And Physical Characteristics:

Description	Parameter	Units
Material	Copper	
Finish	Gold plated	
Connectors	WR-4.3/UG-387/U	
Size	14.6*21.1*75	mm
Weight	0.05	Kg

Outline Drawing:

Unit:mm

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

Ordering Information:

Base Number	Description	Revision
TL-4SHA29	Standard Gain Horn Antenna, 170-260GHz, Gain: 29dBi Typ.	Rev.1.0