

Dual Ridged Horn Antenna

N Female/0.2-2GHz/12dBi Typ, Gain

Model:TL-0220DRHA12N

TL-0220DRHA12N is a dual ridged horn antenna, its operating frequency range from 0.2 GHz to 2 GHz. It provides a nominal gain of 12 dB. At the center frequency, the 3 dB beamwidth on the E plane is 32.8 degrees, and on the H plane is 30.0 degrees. The antenna supports linear polarization. The input port configuration offers coax adapter structure with N female.

Features:

- Operating Frequency 0.2 to 2GHz
- Gain: 12 dBi Min
- Linear Polarization

Applications:

- Radar Systems
- Communication Systems

Electrical Characteristics:

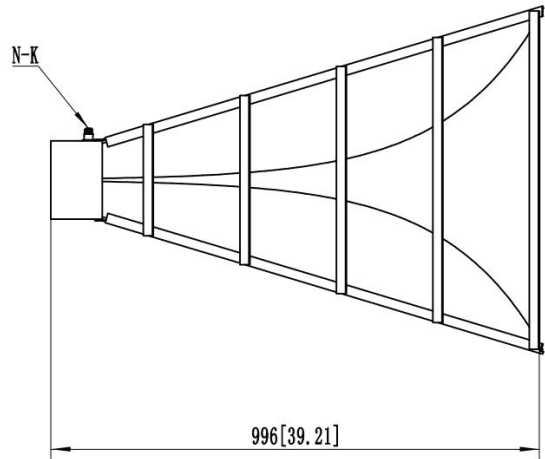
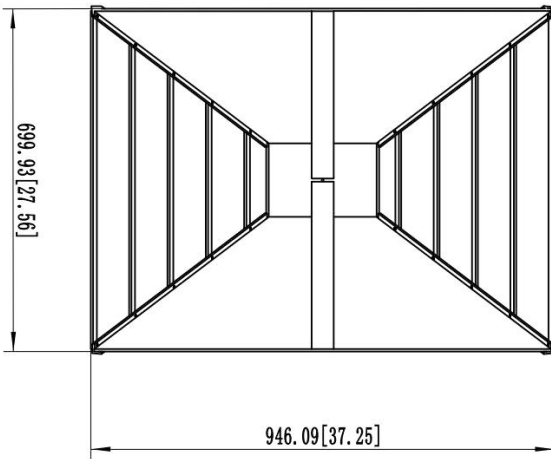
Parameter	Min	Typ	Max	Units
Frequency Range	0.2		2	GHz
Gain		12		dBi
Input VSWR			2.5	:1
Beamwidth		E: 32.8; H: 30.0		°
Polarization mode		Linear		


Physical Characteristics:

Description	Parameter	Units
Material	Aluminium	
Finish	True color conductive oxidation, spray paint	
Connectors	N Female	
Size	996*946*699	mm

Outline Drawing:

Unit:mm; Tolerance:±0.1mm





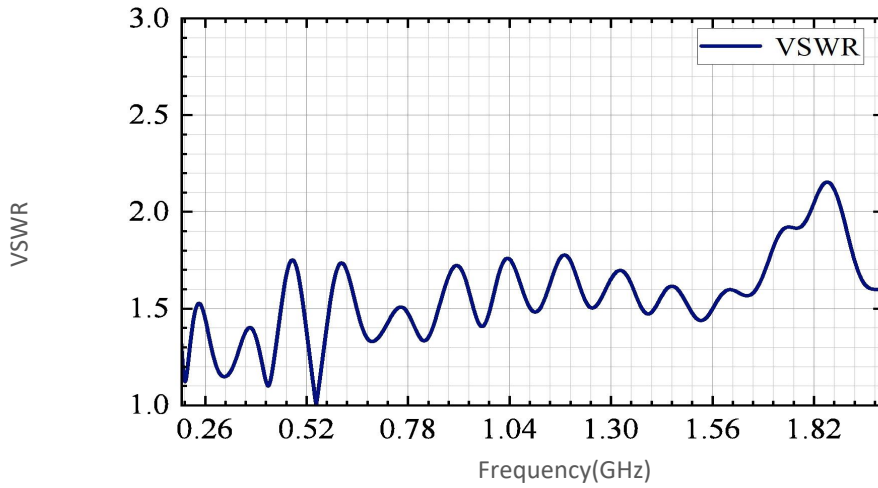
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

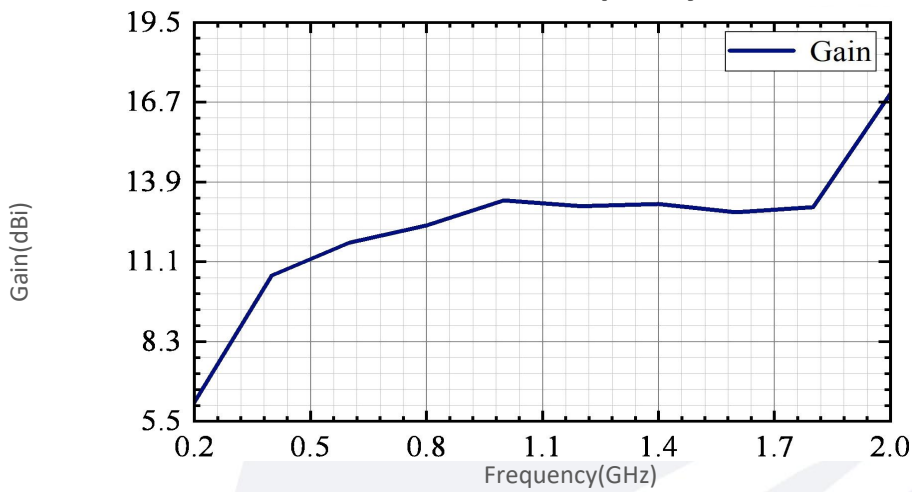
Base Number	Description	Revision
TL-0220DRHA12N	Dual Ridged Horn Antenna, 0.2-2GHz, Gain: 12 dBi Typ, N Female	Rev.1.0

Typical Performance Data:

VSWR vs Frequency

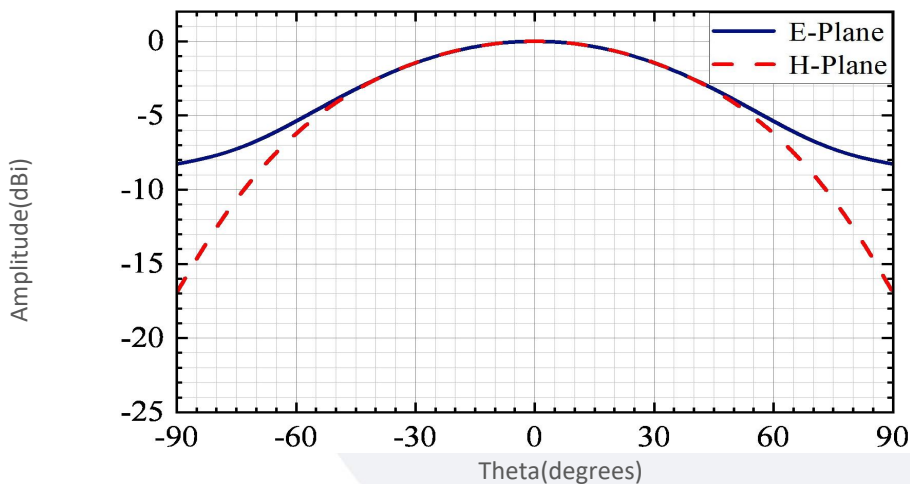


Gain vs Frequency



1.1GHz:

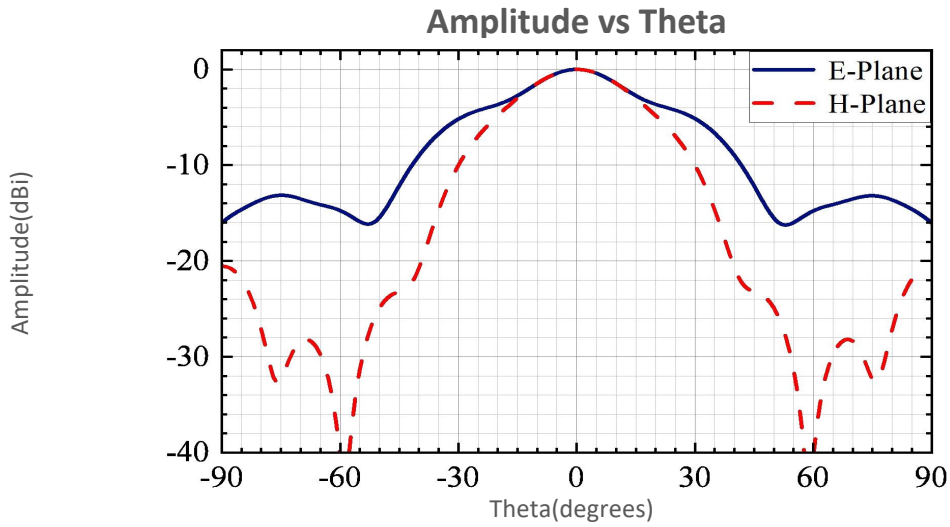
Amplitude vs Theta



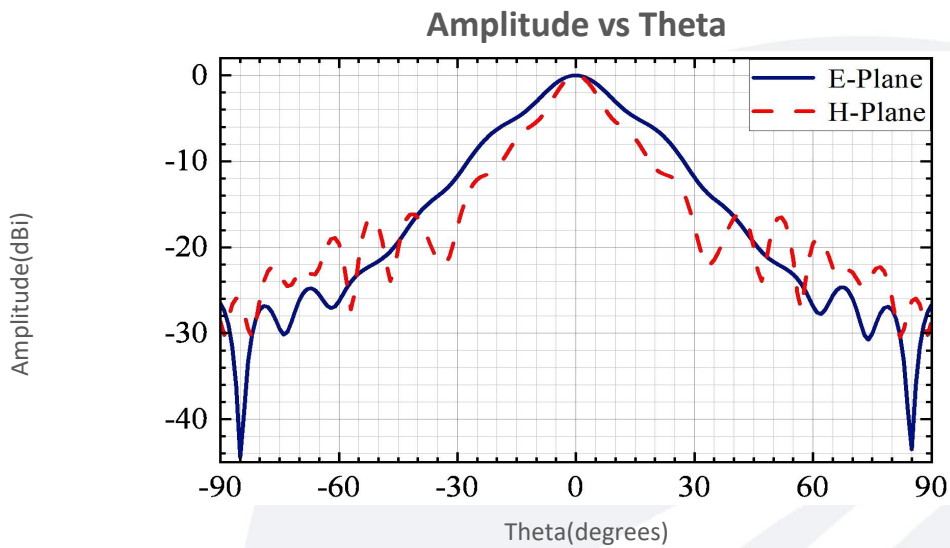
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

Typical Performance Data:

1.1GHz:



2GHz:



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