Suzhou Talent Microwave,Inc
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Dual Ridged Horn Antenna

N Female/1-12GHz/10dBi Typ, Gain Model:TL-10120DRHA10N

TL-10120DRHA10N is a dual ridged horn antenna, its operating frequency range from 1 GHz to 12 GHz. It provides a nominal gain of 10 dBi. At the center frequency, the 3 dB beamwidth on the E plane is 31.1 degrees, and on the H plane is 21.6 degrees. The antenna supports linear polarization. The input port configuration offers coax adapter structure with N female.

Features:

- Operating Frequency 1 to 12GHz
- Gain: 10dBi Typ
- Linear Polarization

Applications:

- Radar Systems
- Communication Systems

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	1		12	GHz
Gain		10		dBi
Input VSWR			2.5	:1
Beamwidth		E: 31.1; H: 21.6		°
Polarization mode		Linear		

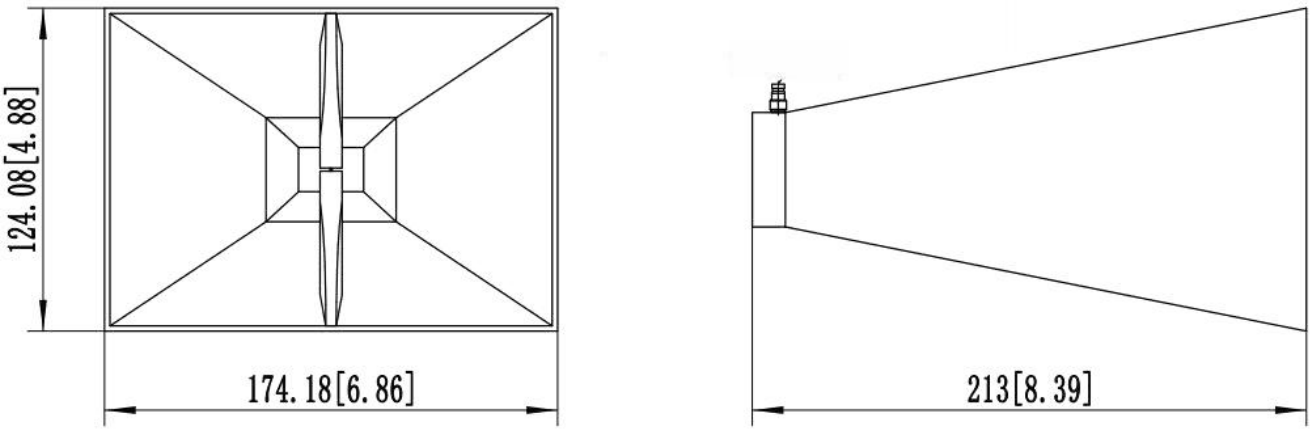
Physical Characteristics:

Parameter	Value	Units
Operating Temperature	-40~+85	℃
Material	Aluminium	
Finish	True color conductive oxidation,spray paint	
Connectors	N Female	
Size	213*174.18*124.08	mm
Weight	750	g

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

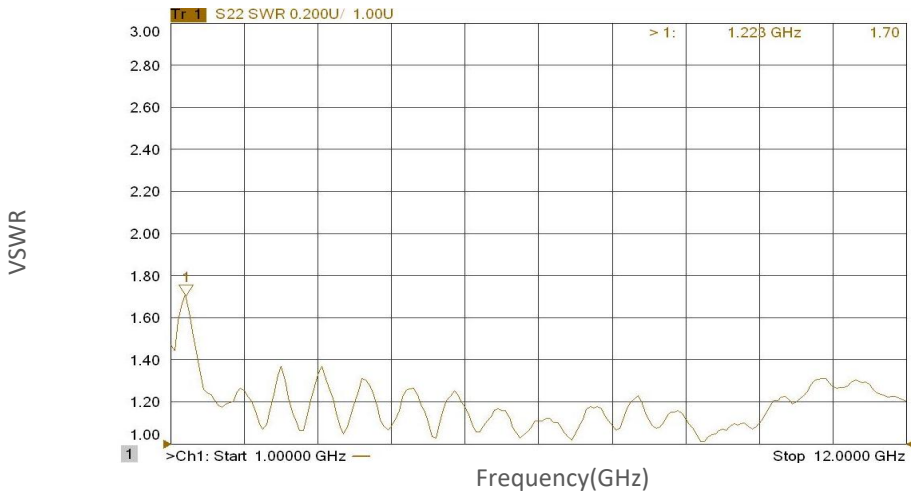
Ordering Information:

Base Number	Description	Revision
TL-10120DRHA10N	Dual Ridged Horn Antenna, 1-12GHz,Gain: 10dBi Typ, N Female	Rev.1.0

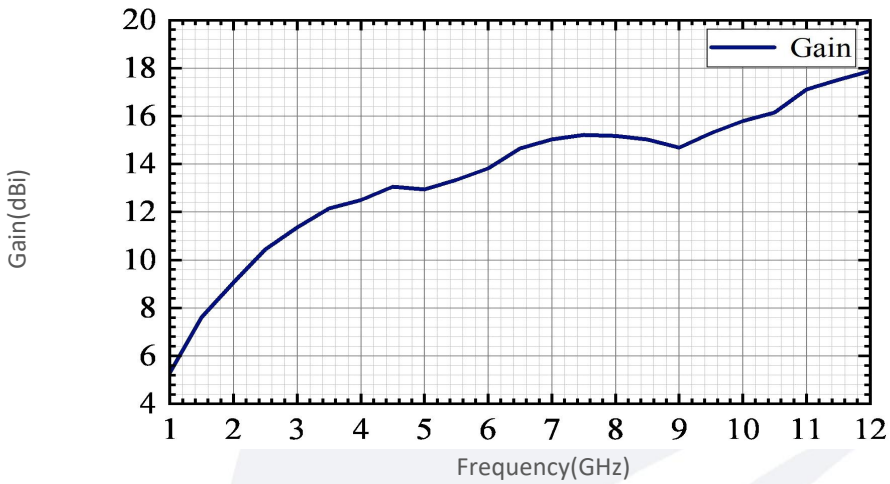
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Typical Performance Data:

VSWR vs Frequency

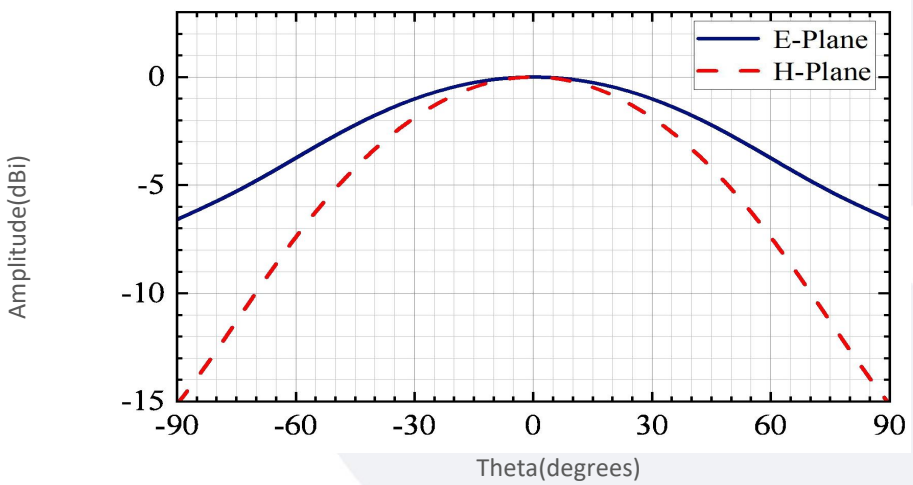


Gain vs Frequency



1GHz:

Amplitude vs Theta

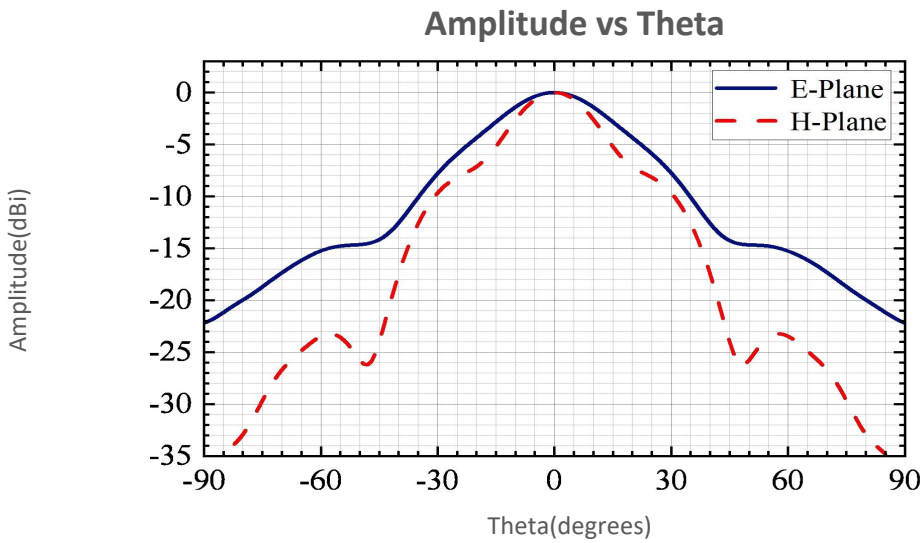


Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

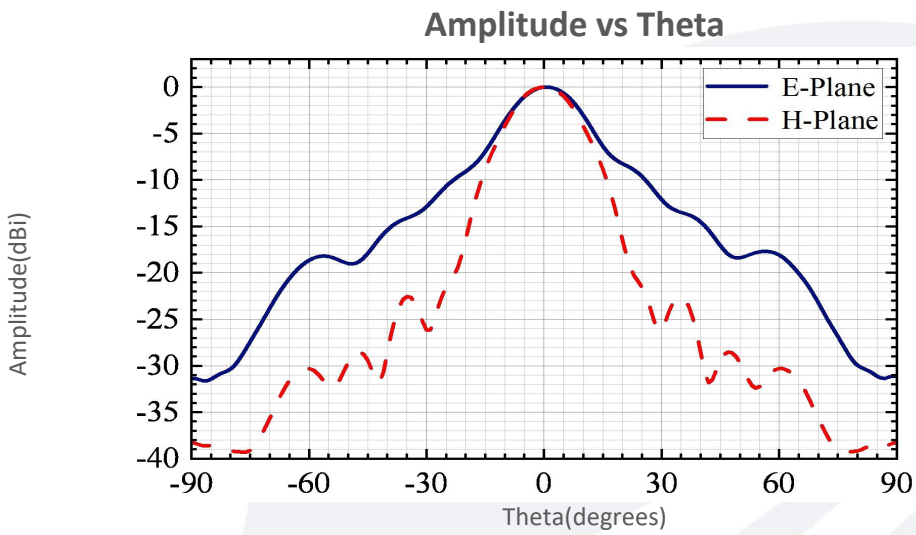
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Typical Performance Data:

6.5GHz:



12GHz:



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