

Standard Gain Horn Antenna

WR-28/26.3-40GHz/25dBi Typ, Gain

Model:TL-28SHAK25

TL-28SHAK25 is a standard gain horn antenna that operates from 26.3 GHz to 40 GHz. The antenna offers 25 dBi nominal gain. The input of this antenna configuration offers coax adapter structure with 2.92mm female. 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 26.3 to 40 GHz
- Linear Polarization
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Electrical Characteristics:

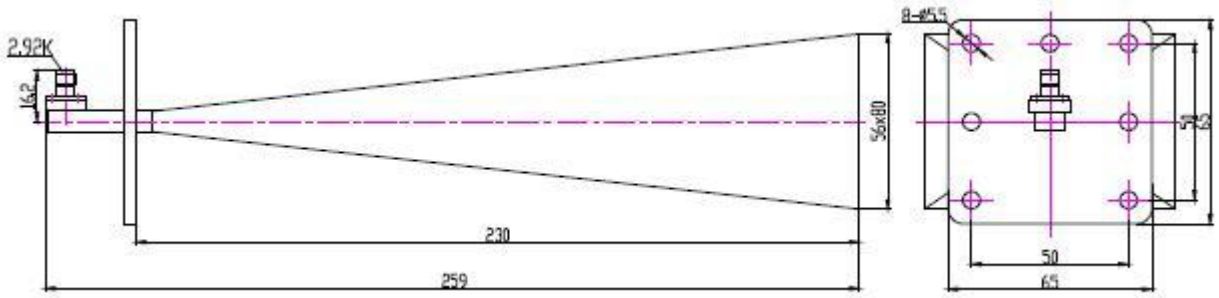
Parameter	Min	Typ	Max	Units
Frequency Range	26.3		40	GHz
Gain		25		dBi
Input VSWR			1.5	:1
Antenna Beamwidth		10		°

Environmental And Physical Characteristics:

Description	Parameter	Units
Material	Copper	
Finish	Silver plated	
Connectors	2.92mm Female	
Length	259	mm

Outline Drawing:

Unit:mm



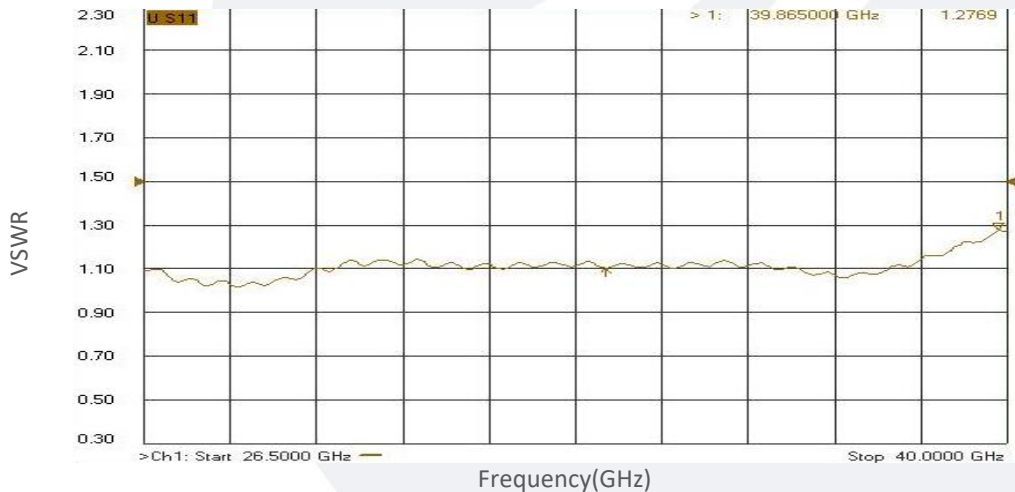
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TL-28SHAK25	Standard Gain Horn Antenna, 26.3-40GHz,Gain: 25 dBi Typ.	Rev.1.0

Typical Performance Data:

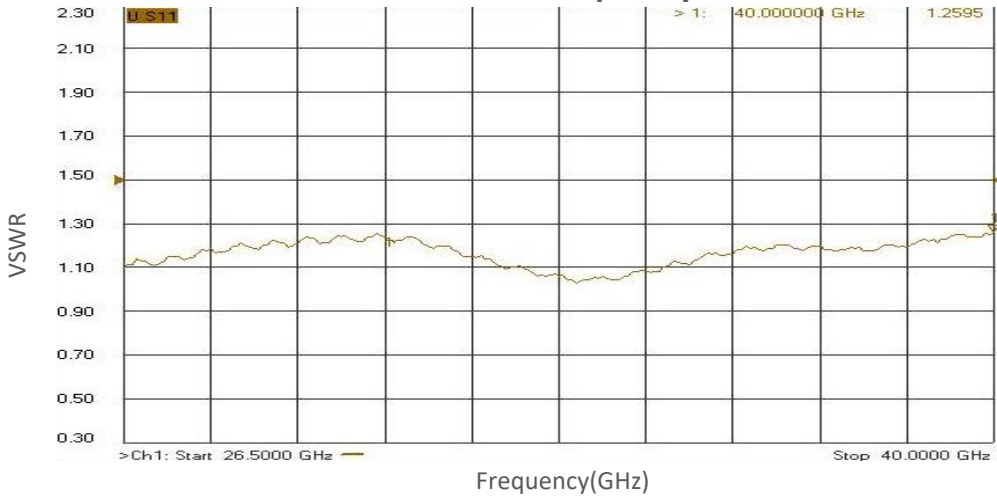
VSWR vs Frequency



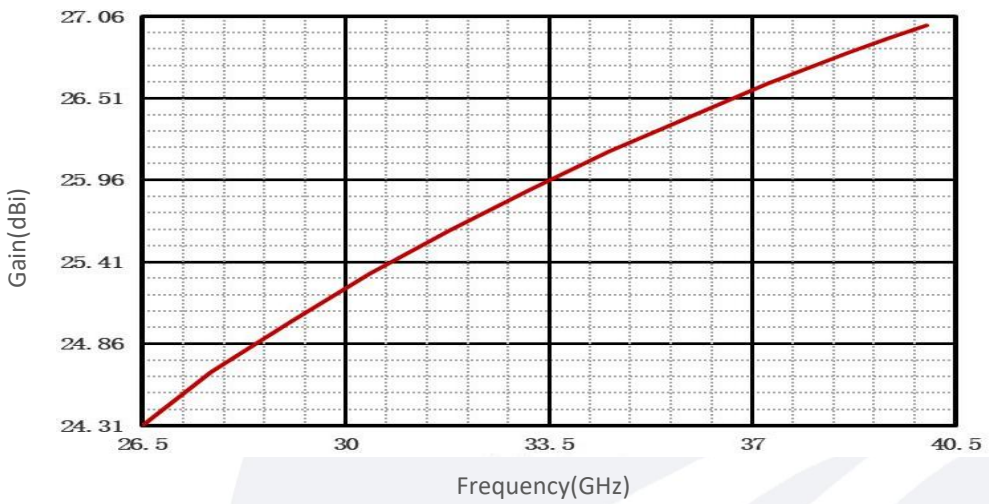
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

Typical Performance Data:

VSWR vs Frequency

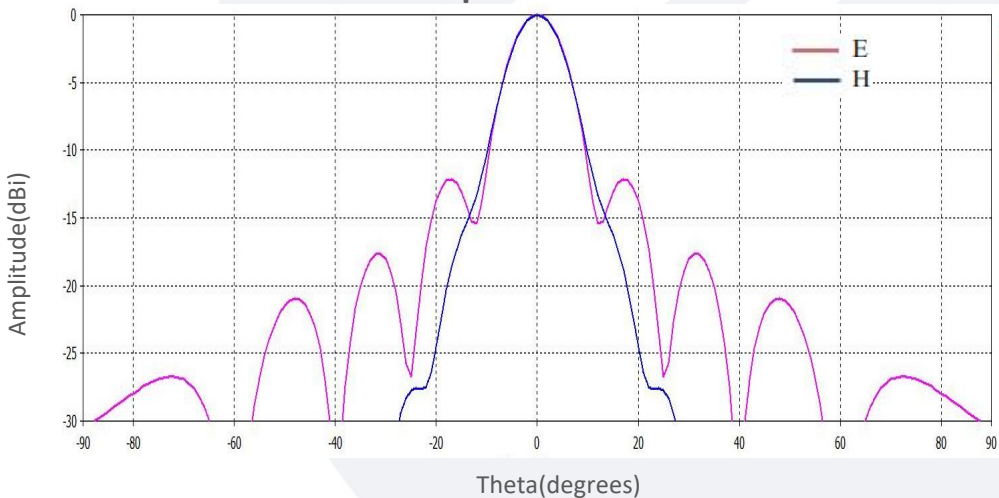


Gain vs Frequency



26.5GHz:

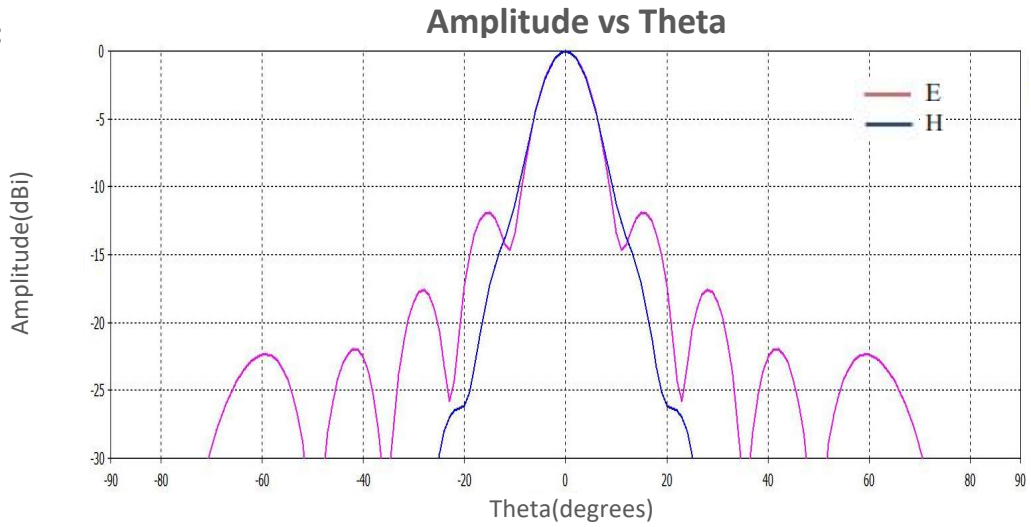
Amplitude vs Theta



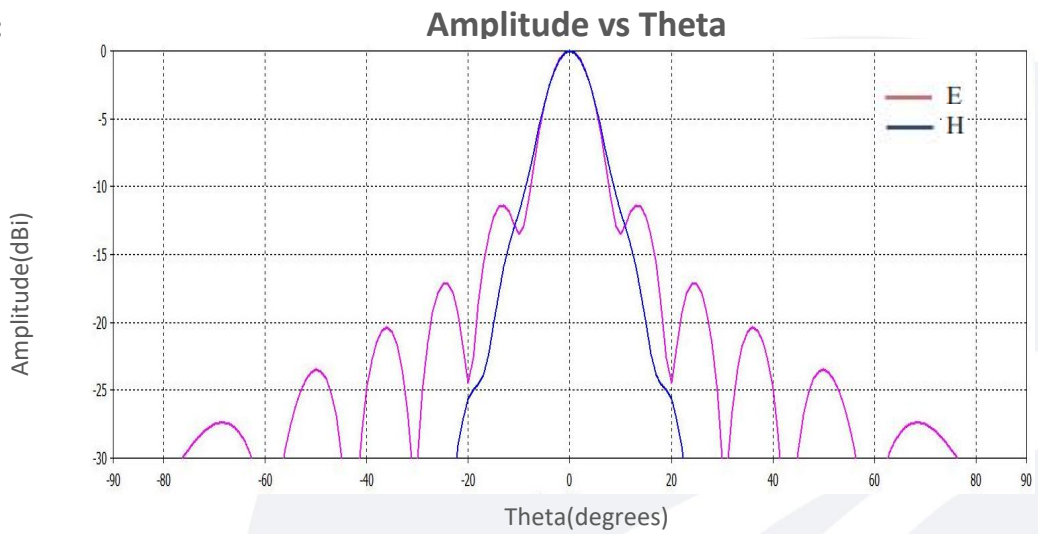
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

Typical Performance Data:

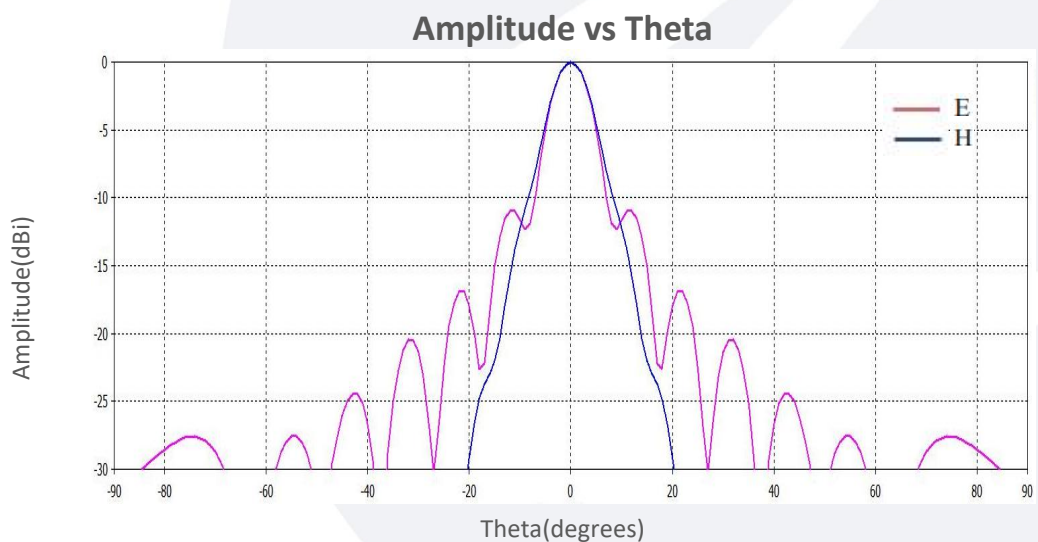
29.04GHz:



31.15GHz:



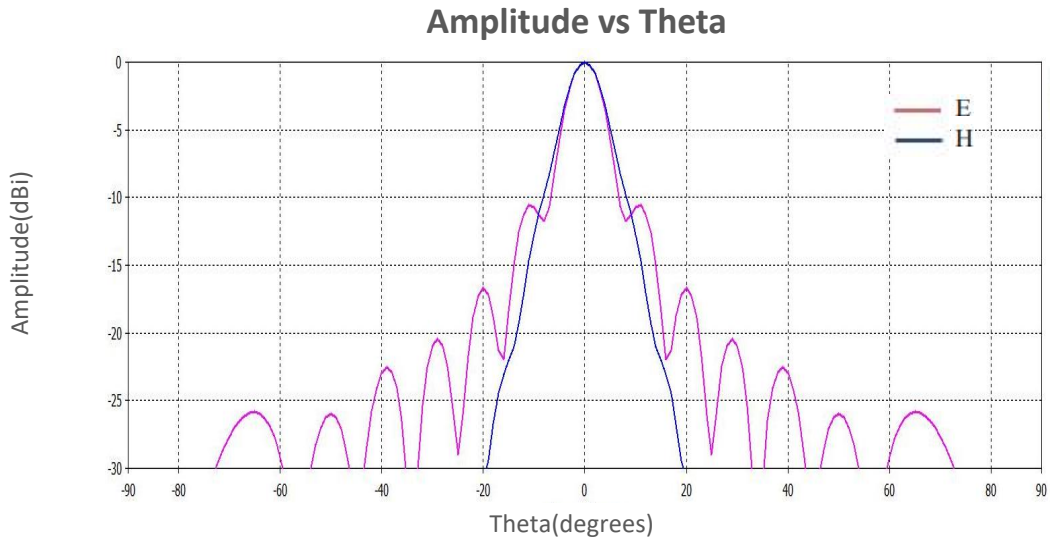
37.26GHz:



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Typical Performance Data:

40GHz:



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