

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

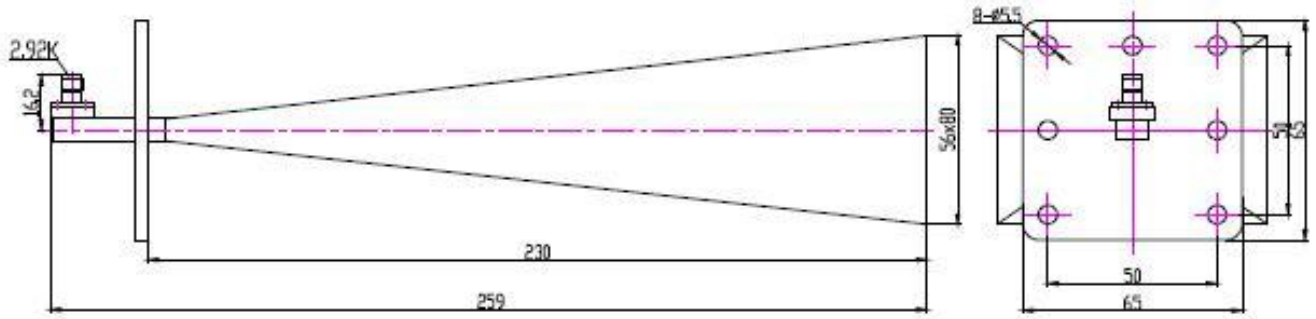
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	26.3		40	GHz
增益 Gain		25		dBi
驻波 Input VSWR			1.5	:1
3dB波束宽度 Antenna Beamwidth		10		°

环境和机械特性 Environmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
材质 Material	Copper	
表面处理 Finish	Silver plated	
接口 Connectors	2.92mm Female	
长度 Length	259	mm

外形图 Outline Drawing: Unit:mm



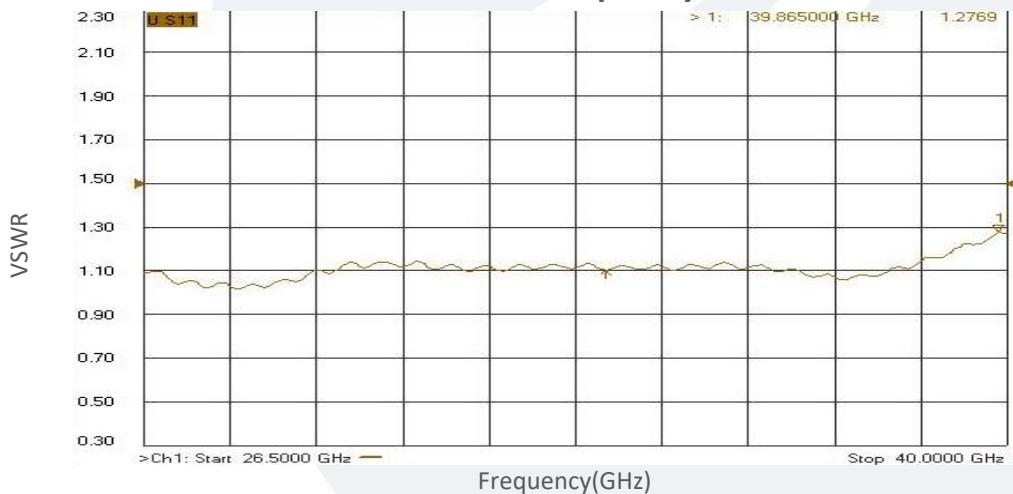
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TL-28SHAK25	Standard Gain Horn Antenna, 26.3-40GHz, Gain: 25 dBi Typ.	Rev.1.0

典型曲线 Typical Performance Data:

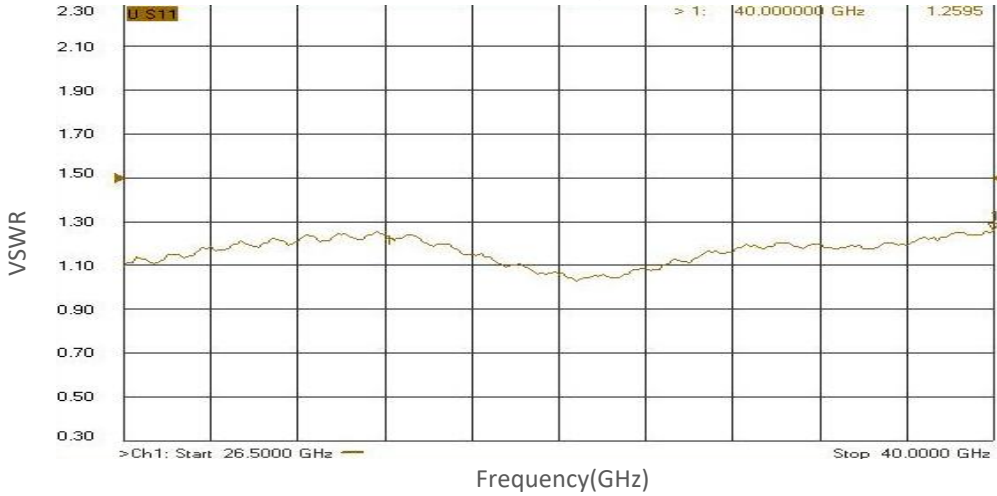
VSWR vs Frequency



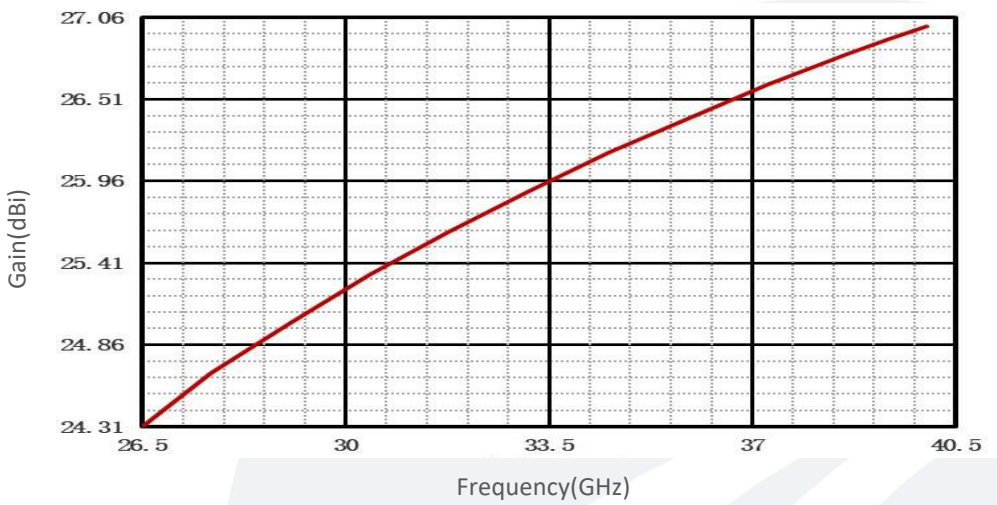
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

VSWR vs Frequency

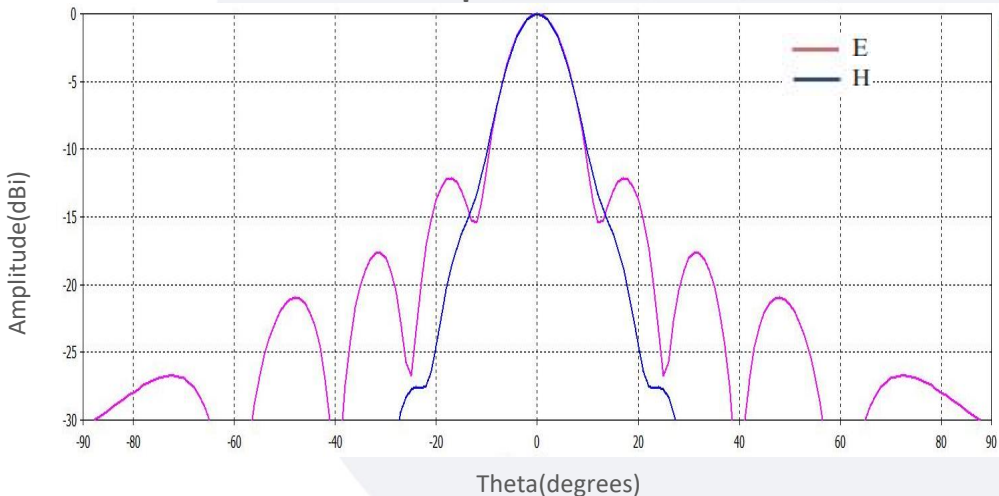


Gain vs Frequency



26.5GHz:

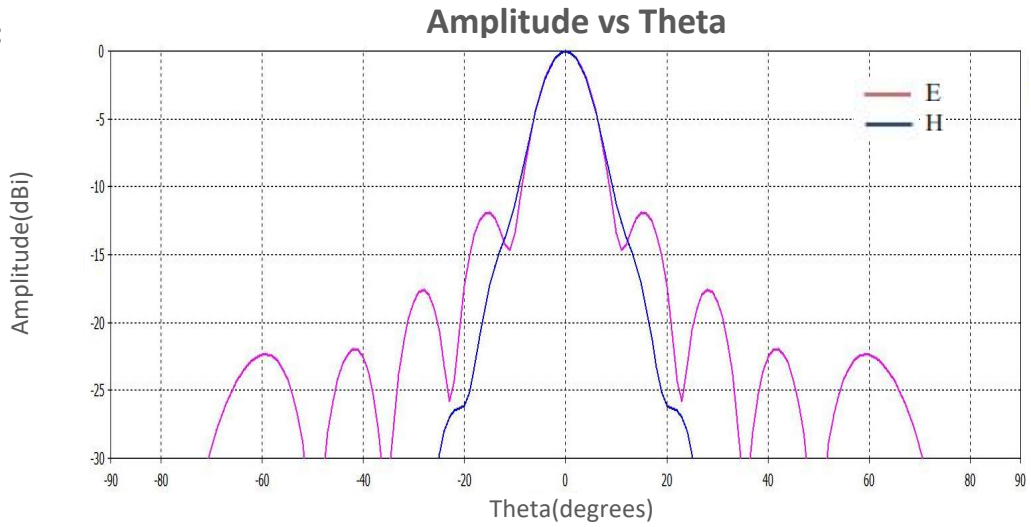
Amplitude vs Theta



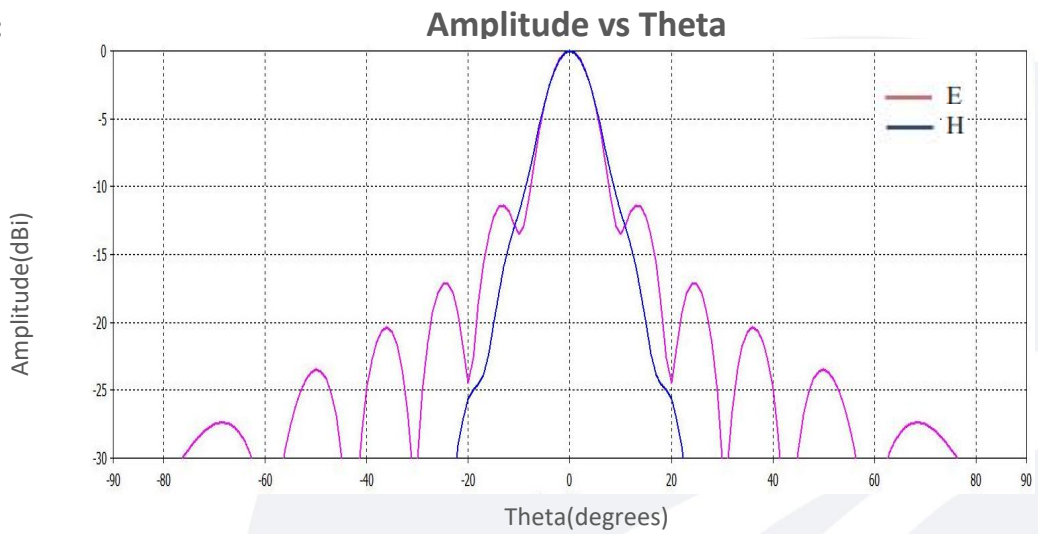
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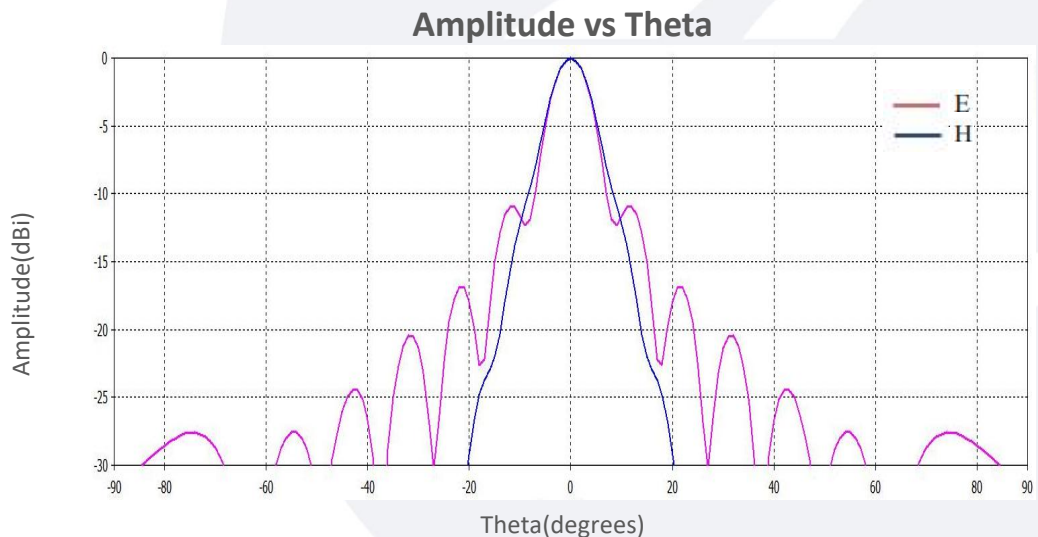
29.04GHz:



31.15GHz:



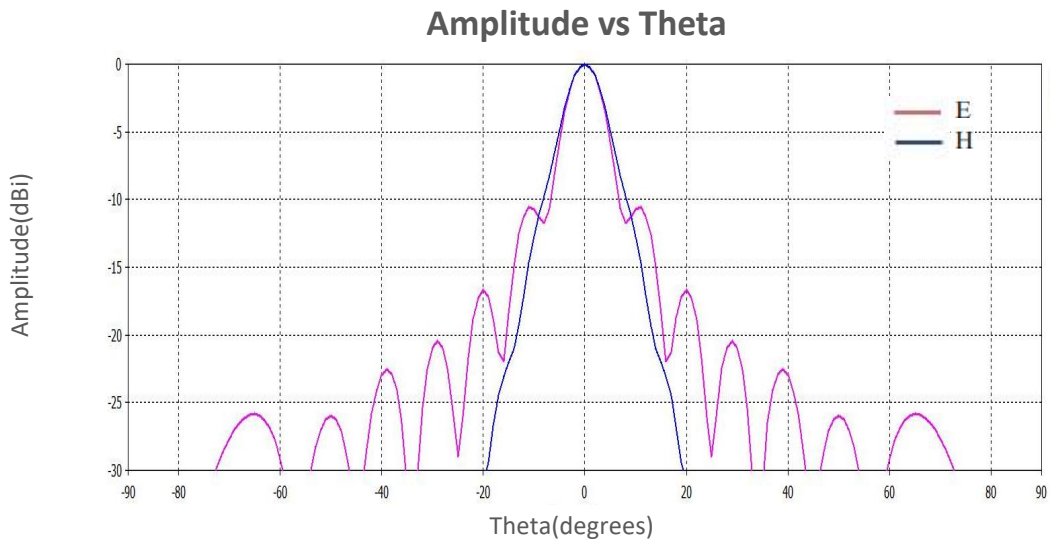
37.26GHz:



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典型曲线 Typical Performance Data:

40GHz:



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