

Standard Gain Horn Antenna

2.92mm Female/21.7-33GHz/20dBi Typ, Gain

Model:TL-34SHAK20

TL-34SHAK20 is a standard gain horn antenna that operates from 21.7 GHz to 33 GHz. The antenna offers 20 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 21.7 to 33 GHz
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

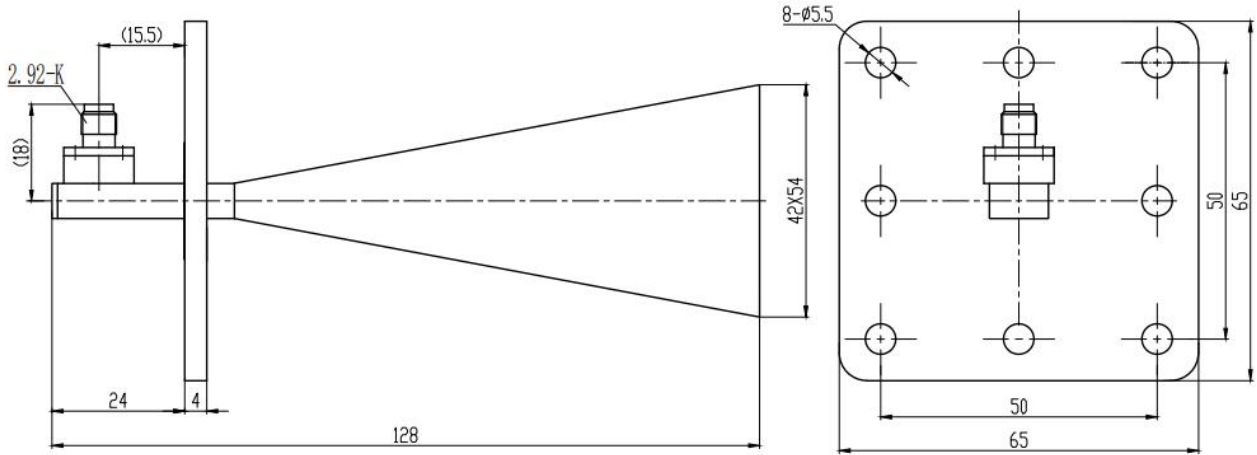
电气特性 Electrical Characteristics:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|----------------------|------|-----|-----|----------|
| 频率范围 Frequency Range | 21.7 | | 33 | GHz |
| 增益 Gain | | 20 | | dBi |
| 驻波 Input VSWR | | | 1.5 | :1 |

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 plating, Spray sea gray paint | |
| 接口 Connectors | 2.92mm Female | |
| 长度 Length | 128 | mm |

外形图 Outline Drawing: Unit:mm

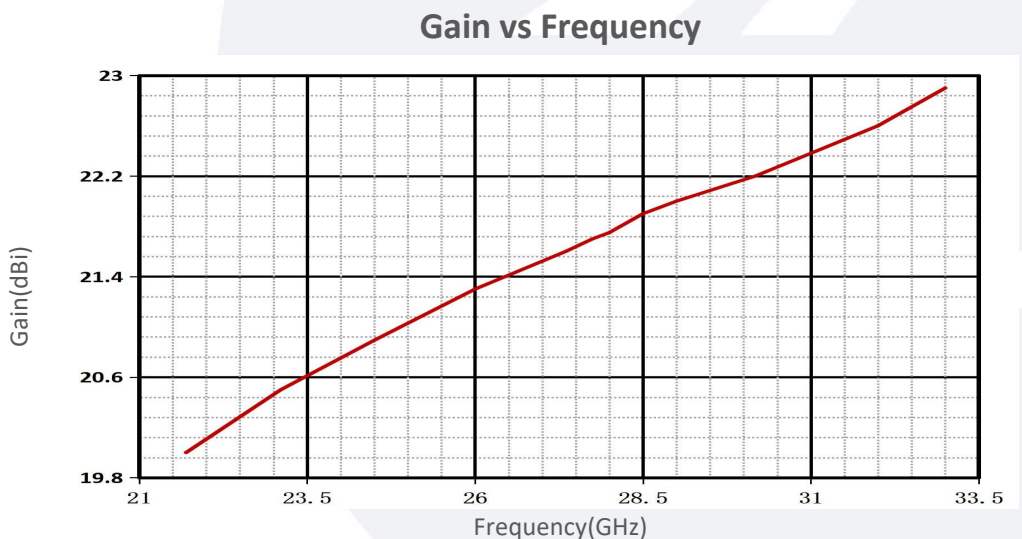
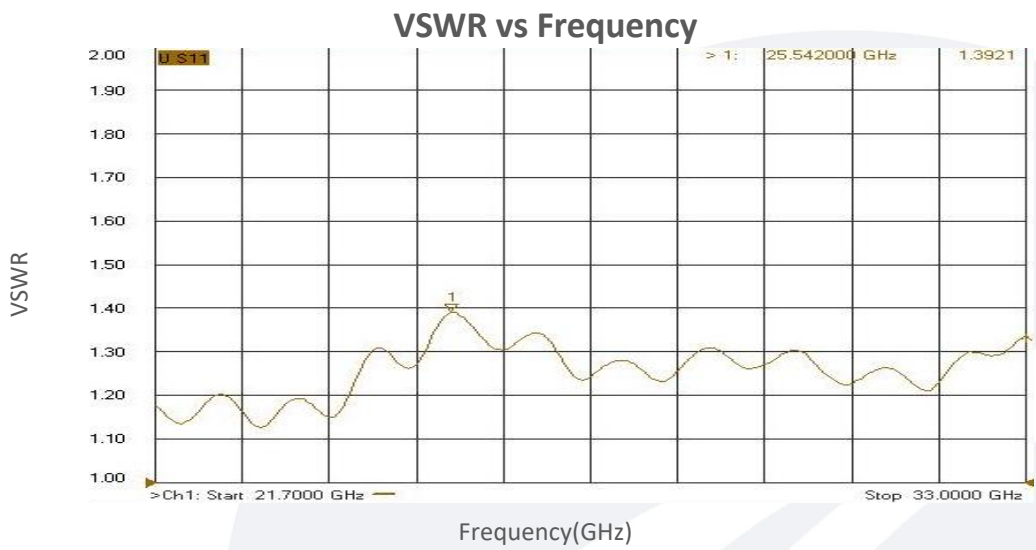
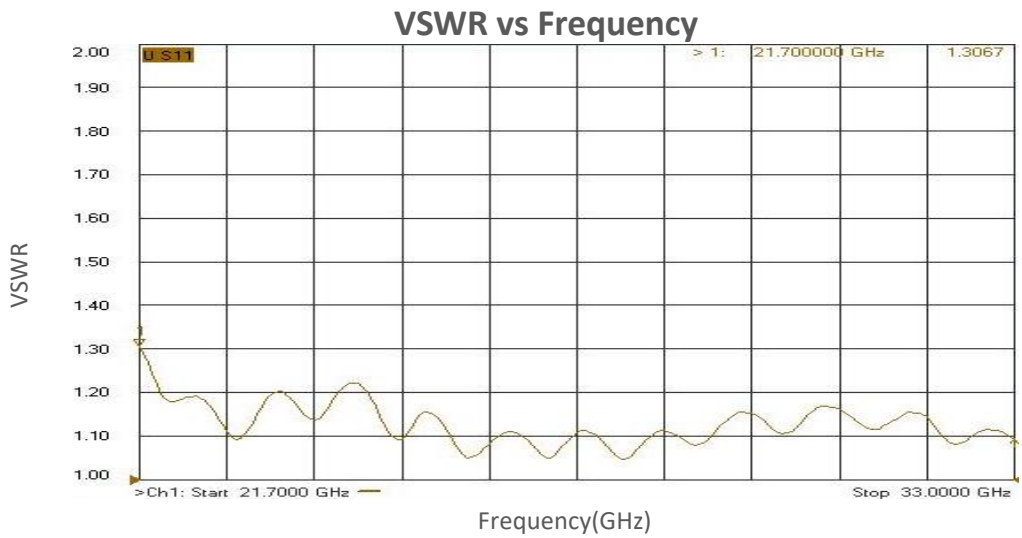


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description | 版本号 Revision |
|------------------|--|--------------|
| TL-34SHAK20 | Standard Gain Horn Antenna, 21.7-33GHz, Gain: 20dBi Typ. | Rev.1.0 |

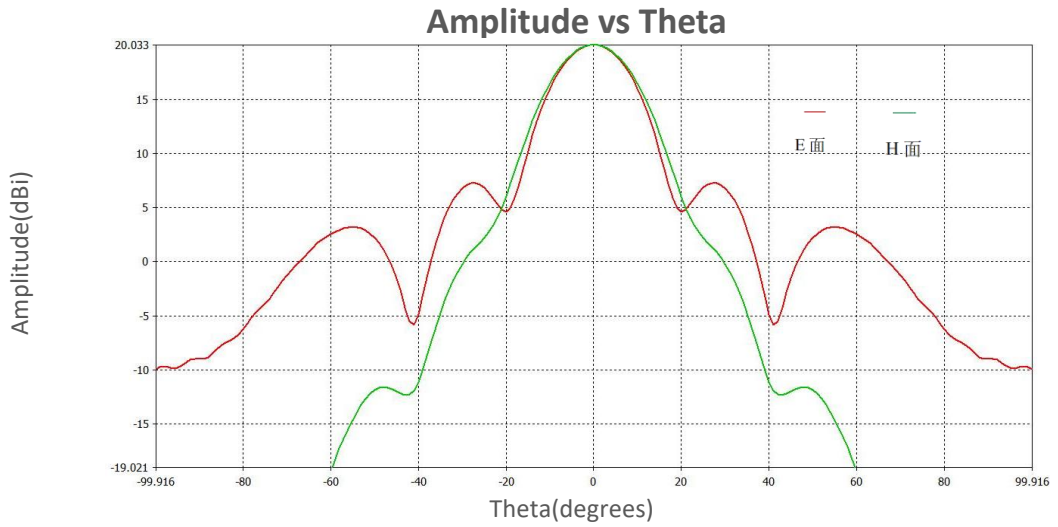
典型曲线 Typical Performance Data:



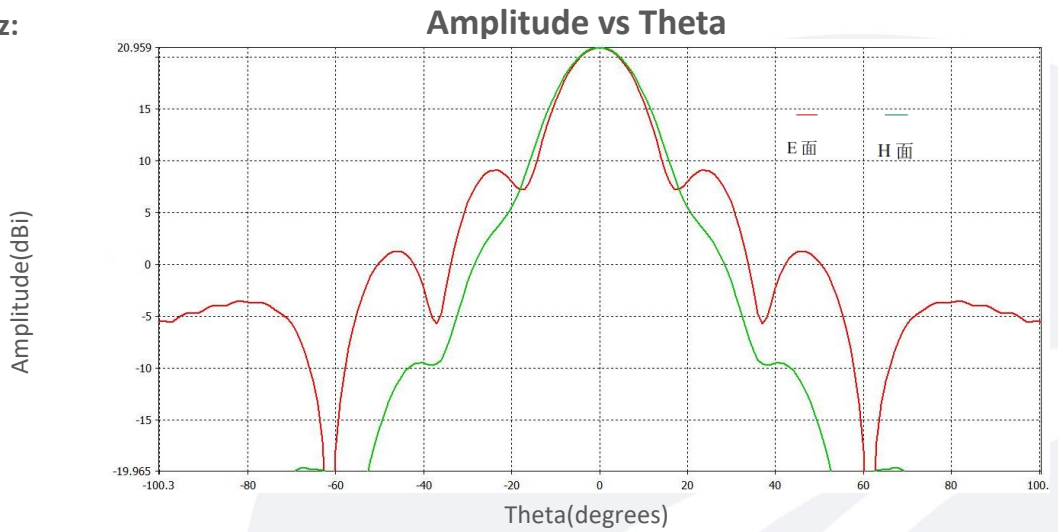
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

典型曲线 Typical Performance Data:

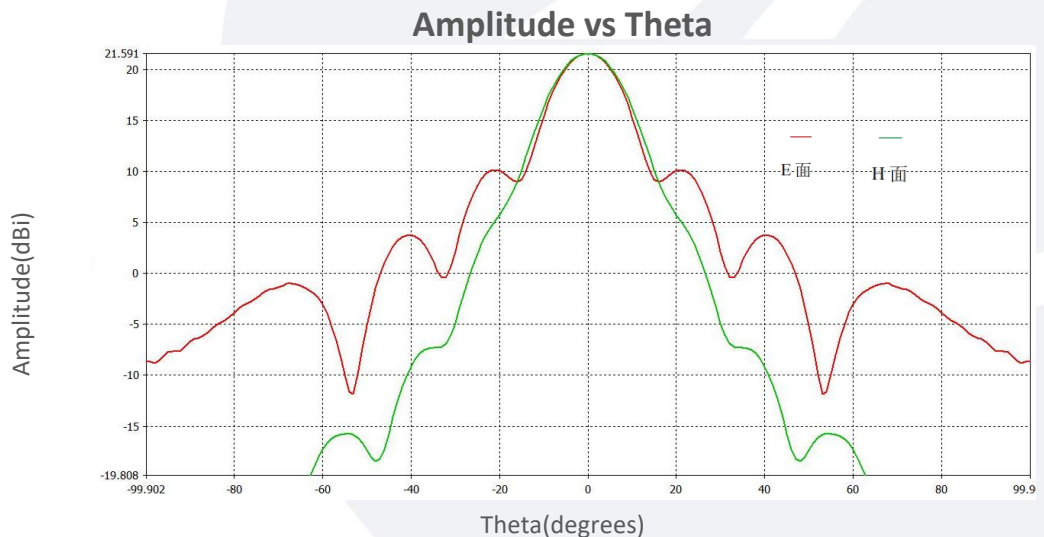
21.7GHz:



24.525GHz:



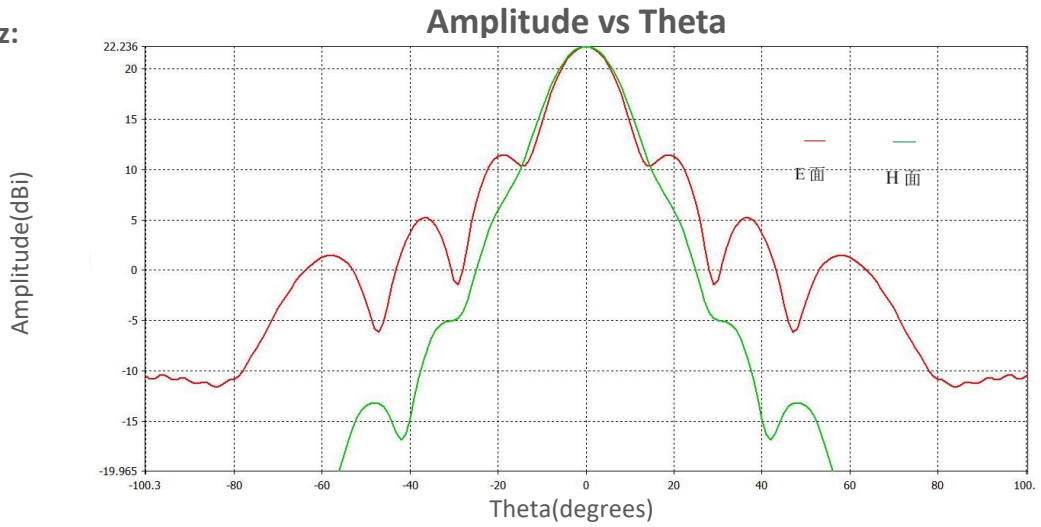
27.35GHz:



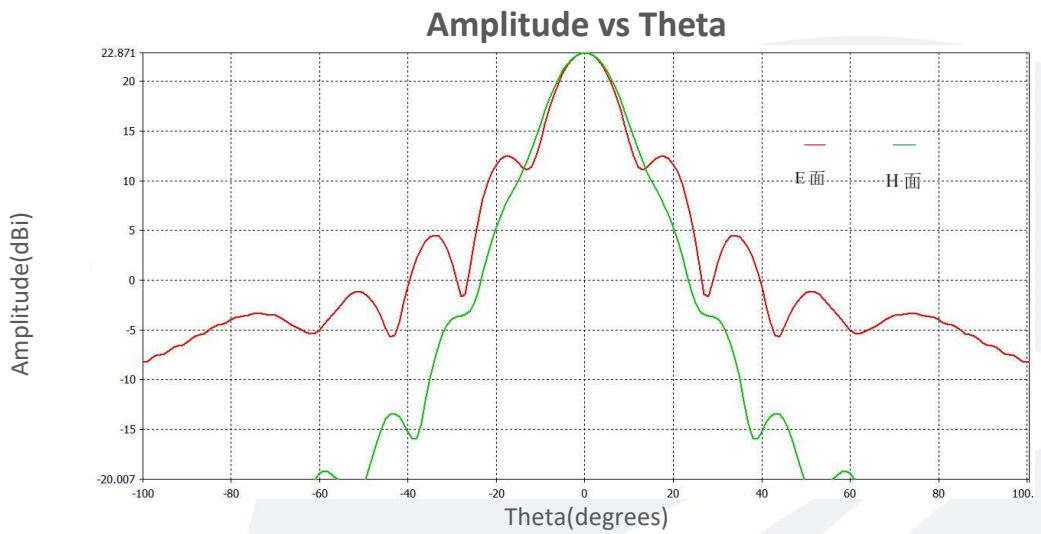
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典型曲线 Typical Performance Data:

30.175GHz:



33GHz:



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