

## Dual Polarized Horn Antenna

### SMA Female/2-18GHz/5dBi Min, Gain

Model:TL-20180DPHA5S

TL-20180DPHA5S is a dual polarized horn antenna that operates from 2 to 18GHz, The antenna offers 5dBi minimum gain. The antenna VSWR is 2.5:1 maximum. The antenna RF port configuration offers coax adapter structure with SMA female. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

#### Features:

- Operating Frequency 2 to 18GHz
- Gain: 5dBi Min
- Dual Linear Polarization

#### Applications:

- Radar Systems
- Communication Systems

### 电气特性 Electrical Characteristics:

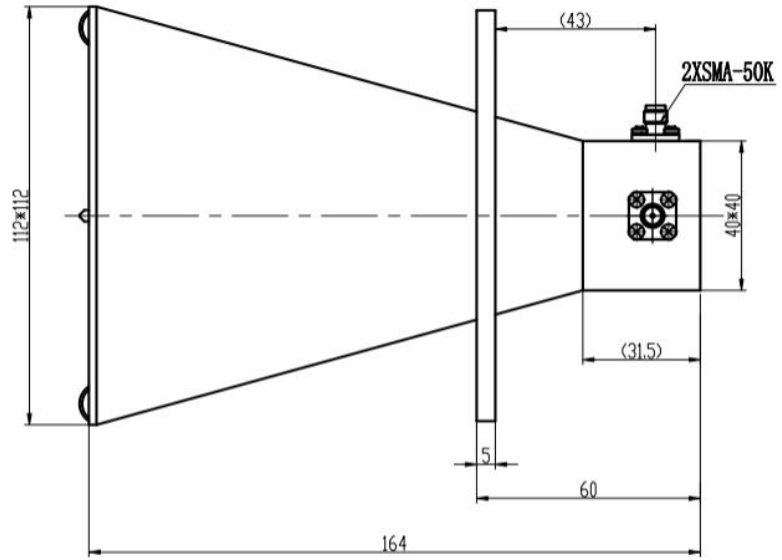
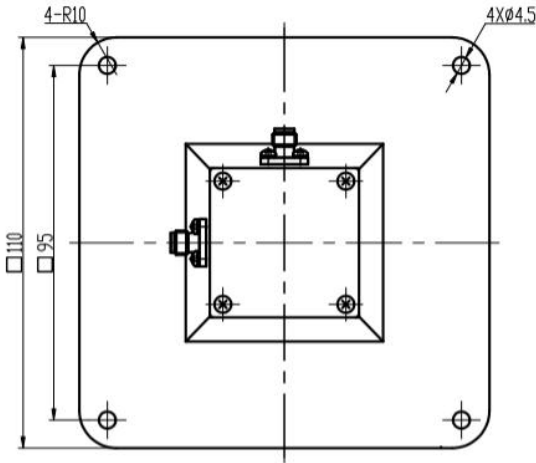
参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	2		18	GHz
增益 Gain	5			dBi
极化方式 Polarization mode	Dual Linear			
驻波 Input VSWR			2.5	:1

### 机械特性 Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
材质 Material	Aluminium	
表面处理 Finish	Conductive oxidation	
接口 Connectors	SMA Female	
尺寸 Size	164*112*112	mm

**外形图 Outline Drawing:**

Unit:mm; Tolerance:±0.1mm



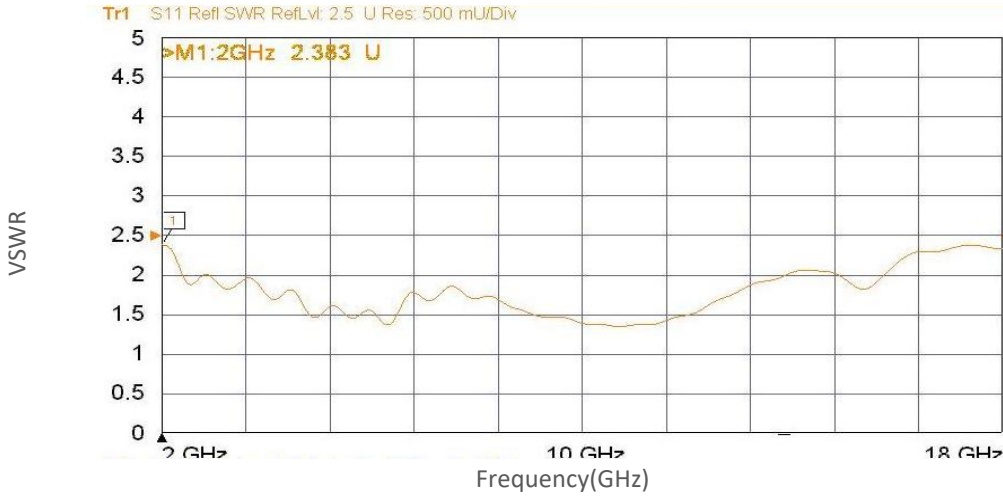
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

**订货信息 Ordering Information:**

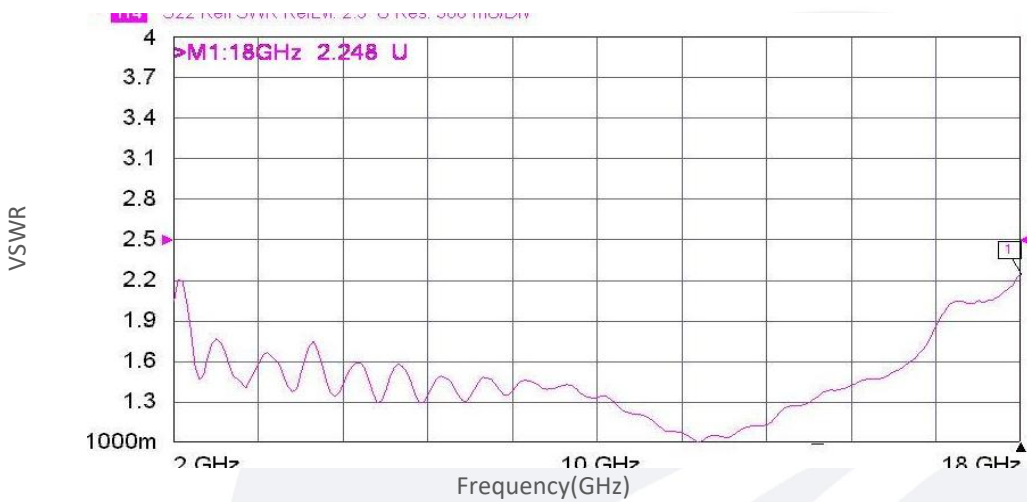
标准型号 Base Number	描述 Description	版本号 Revision
TL-20180DPHA5S	Dual Polarized Horn Antenna, 2-18GHz, Gain: 5dBi Min, SMA Female	Rev.1.0

典型曲线 Typical Performance Data:

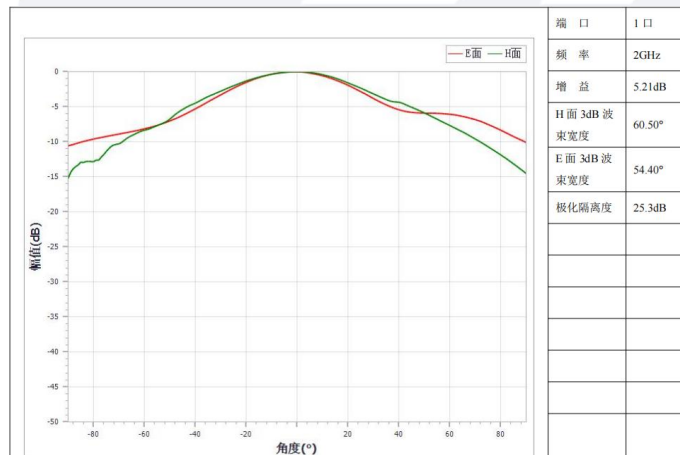
VSWR vs Frequency



VSWR vs Frequency



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.











