泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
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Dual Polarized Horn Antenna

SMA Female/14.5-22GHz/5dBi Min, Gain Model: TL-51DPCFHA5S

TL-51DPCFHA5S is a dual polarized horn antenna that operates from 14.5 to 22GHz, The antenna offers 5dBi minimum gain. The antenna VSWR is 2:1 maximum. The antenna cross polarization isolation is typical 27 dB. The antenna RF port is 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 14.5 to 22GHz
- 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	14.5		22	GHz
增益 Gain	5			dBi
极化方式 Polarization mode	Dual Linear			
驻波 Input VSWR			2	:1
1dB波束宽度 1dB Antenna Beamwidth	25			°
3dB波束宽度 3dB Antenna Beamwidth	40			°
交叉极化隔离 Cross Polarization Isolation	27(0°)			dB

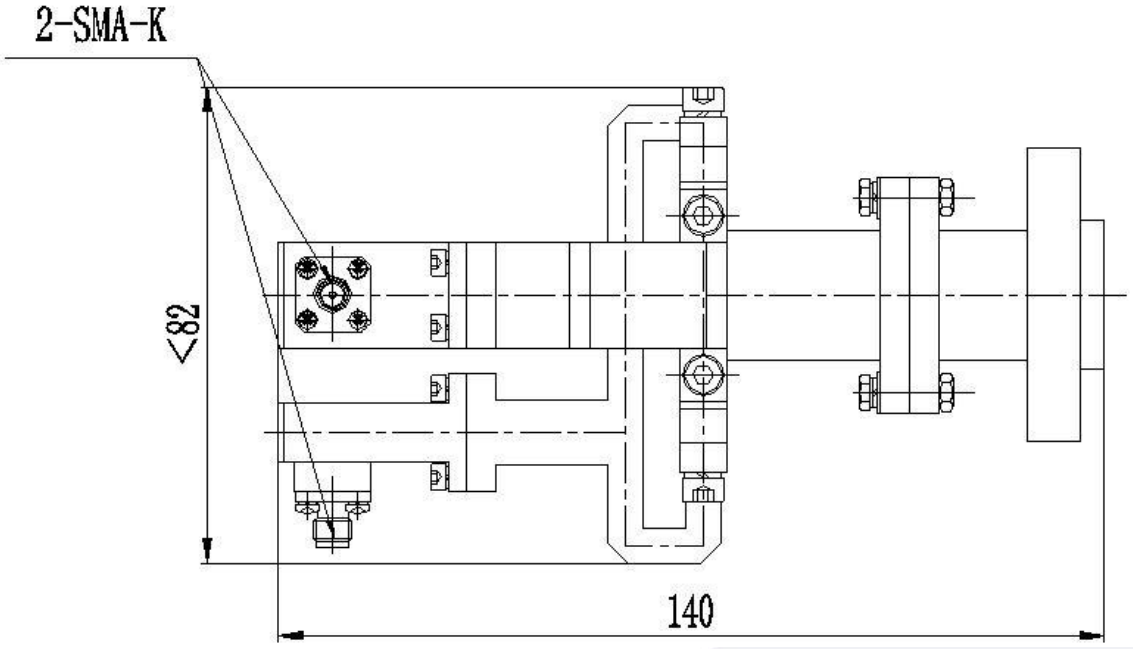
机械特性 Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
材质 Material	Aluminum	
表面处理 Finish	Conductive oxidation, spray sea gray paint	
接口 Connectors	SMA Female	
尺寸 Size	82*82*140	mm

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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-51DPCFHA5S	Dual Polarized Horn Antenna, 14.5-22GHz,Gain: 5dBi Min,SMA Female	Rev.1.0