

Dual Polarized Horn Antenna

WR-28/26.5-40GHz/6dBi Min, Gain

Model:TL-28DPHA6K

TL-28DPHA6K is a dual polarized horn antenna that operates from 26.5 to 40GHz, The antenna offers 6dBi minimum gain. The antenna VSWR is 2:1 maximum. The antenna cross polarization isolation is minimum 30 dB. The antenna RF port is WR-28 waveguides. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Features:

- Operating Frequency 26.5 to 40GHz
- Gain: 6dBi Min
- Dual Linear Polarization

Applications:

- Radar Systems
- Communication Systems

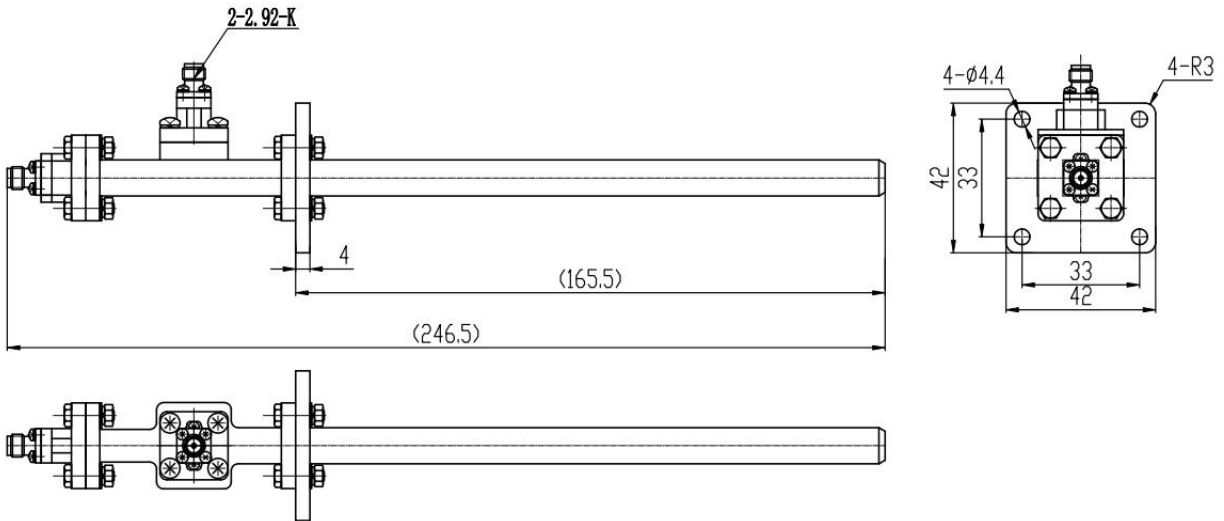
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency Range	26.5		40	GHz
增益 Gain	6			dBi
极化方式 Polarization mode	Dual Linear			
驻波 Input VSWR			2	:1
1dB波束宽度 1dB Antenna Beamwidth	22			°
交叉极化隔离 Cross Polarization Isolation	30			dB

机械特性 Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
材质 Material	Copper or Aluminum	
表面处理 Finish	Silver plated or conductive oxidation, Spray sea gray paint	
波导接口 Waveguide Connectors	WR-28	
尺寸 Size	246*42*42	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-28DPHA6K	Dual Polarized Horn Antenna, 26.5-40GHz, Gain: 6dBi Min, WR-28	Rev.1.0