

Dual Polarized Horn Antenna

2.92mm Female/27-31.5GHz/15dBi Typ, Gain

Model:TL-2731DCPHA15K

TL-2731DCPHA15K is a dual polarized horn antenna that operates from 27 to 31.5GHz, The antenna offers 15dBi typical gain. The antenna VSWR is 1.6:1 maximum. The antenna isolation is minimum 18 dB. The antenna RF port is 2.92mm female. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Features:

- Operating Frequency 27 to 31.5GHz
- Gain: 15dBi Typ
- Dual Circular Polarization

Applications:

- Radar Systems
- Communication Systems

Electrical Characteristics:

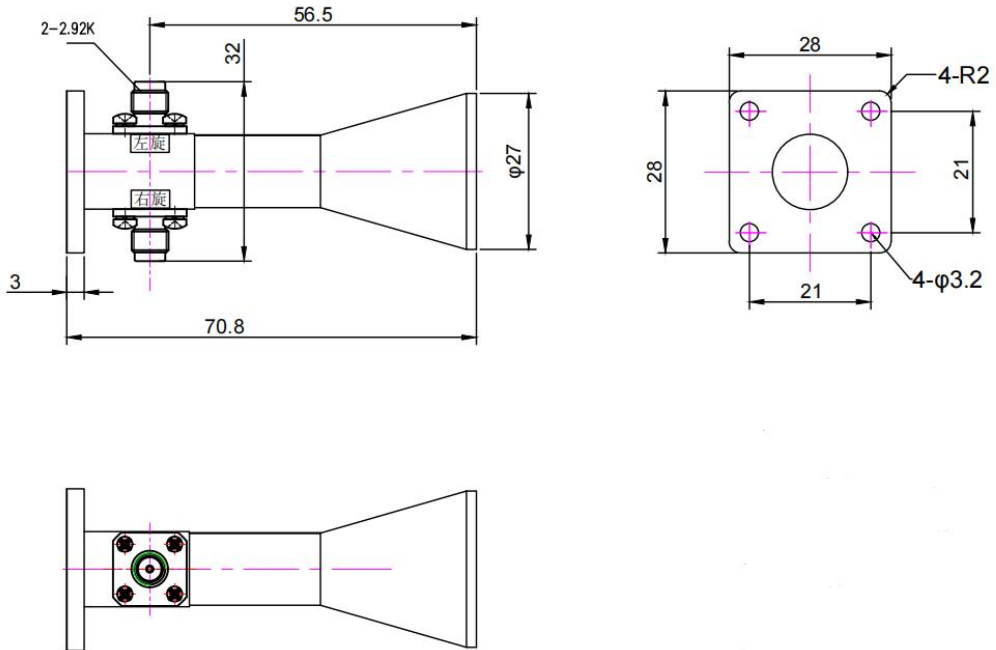
Parameter	Min	Typ	Max	Units
Frequency Range	27		31.5	GHz
Gain		15		dBi
Polarization mode	Dual Circular			
Input VSWR			1.6	:1
Axial Ratio			2	
Isolation	18			dB

Physical Characteristics:

Description	Parameter	Units
Material	Copper	
Finish	Silver plated ,Spray sea gray paint	
Waveguide Connectors	2.92mm Female	
Size	28*28*70.8	mm

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TL-2731DCPHA15K	Dual Polarized Horn Antenna, 27-31.5GHz, Gain: 15dBi Typ, 2.92mm Female	Rev.1.0