

## Dual Polarized Horn Antenna

### WR-42/18-26.5GHz/6dBi Min, Gain

**Model:TL-42DPHA6K**

TL-42DPHA6K is a dual polarized horn antenna that operates from 18 to 26.5GHz, 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-42 waveguides. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

### Features:

- Operating Frequency 18 to 26.5GHz
- Gain: 6dBi Min
- Dual Linear Polarization

### Applications:

- Radar Systems
- Communication Systems

### Electrical Characteristics:

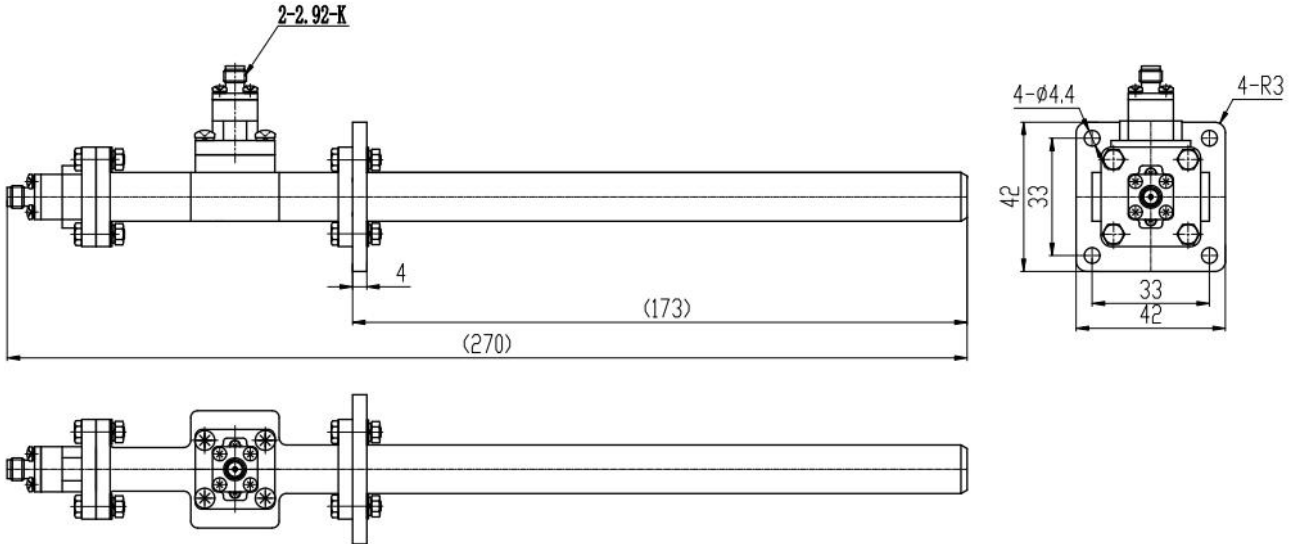
Parameter	Min	Typ	Max	Units
Frequency Range	18		26.5	GHz
Gain	6			dBi
Polarization mode	Dual Linear			
Input VSWR			2	:1
1dB Antenna Beamwidth	22			°
Cross Polarization Isolation	30			dB

### Physical Characteristics:

Description	Parameter	Units
Material	Copper or Aluminum	
Finish	Silver plated or conductive oxidation, Spray sea gray paint	
Waveguide Connectors	WR-42	
Size	270*42*42	mm

**Outline Drawing:**

Unit:mm



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

**Ordering Information:**

Base Number	Description	Revision
TL-42DPHA6K	Dual Polarized Horn Antenna, 18-26.5GHz,Gain: 6dBi Min,WR-42	Rev.1.0