Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

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

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	14.5		22	GHz
Gain	5			dBi
Polarization mode	Dual Linear			
Input VSWR			2	:1
1dB Antenna Beamwidth	25			°
3dB Antenna Beamwidth	40			°
Cross Polarization Isolation	27(0°)			dB

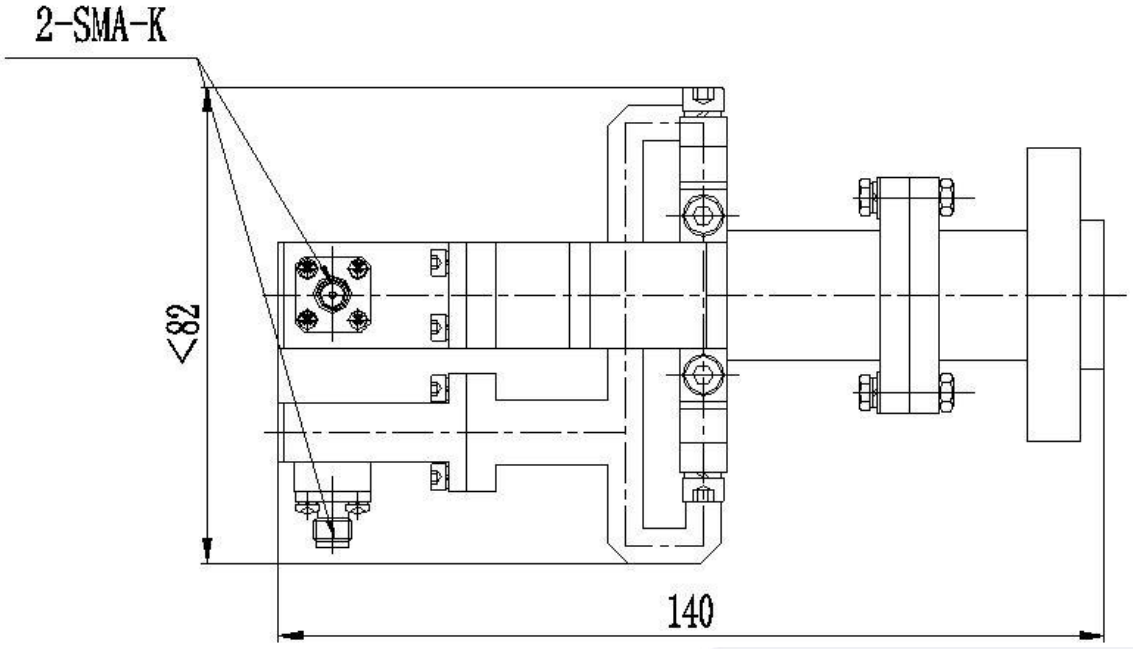
Physical Characteristics:

Parameter	Value	Units
Material	Aluminum	
Finish	Conductive oxidation, spray sea gray paint	
Connectors	SMA Female	
Size	82*82*140	mm

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Ordering Information:

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