

24 - 44 GHz MILLIMETER WAVE BAND DUAL POLARIZED HORN ANTENNA

Standard Antenna Solutions

5G NR N257, N258, N260, N261 Bands

Part Number: 2108728-1

PRODUCT FACTS:

- Wide bandwidth on 5G NR band
- High directivity
- Horizontal and vertical 2 port dual polarized

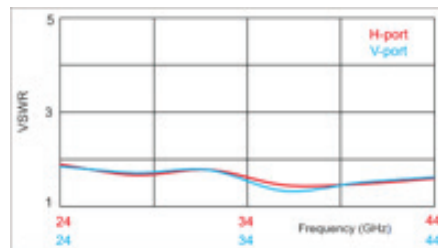
RECOMMENDATIONS:

- 0.35 - 0.60 Nm connector mating torque for highest accuracy
- Keep the connector clean

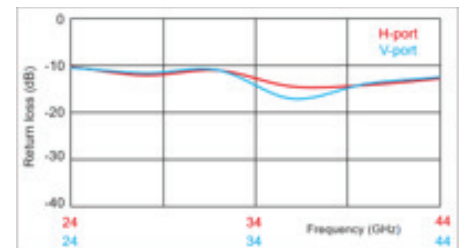
SPECIFICATIONS:

- Frequency Range: 24 - 44 GHz
- Peak Gain:
 - 13.6 dBi(H-port) / 13.7 dBi(V-port) @ 24 GHz
 - 16.1 dBi(H-port) / 15.7 dBi(V-port) @ 34 GHz
 - 16.9 dBi(H-port) / 16.7 dBi(V-port) @ 44 GHz
- VSWR: < 2.0
- Return Loss: < -10 dB
- Isolation (Port-to-Port): < -25 dB
- Polarization: Horizontal & Vertical
- HPBW: See chart on page 2
- Feed Point Impedance: 50 ohms
- FBR: 30 - 47 dB(H-port) / 29 - 39 dB(V-port)
- Power Handling: 15 Watt CW
- Size: 35 x 35 x 64 (mm)
- Weight: 0.1 Kg
- Keep Out Area: See diagram on page 3
- Mounting: Fixed with plastic screws
- Operating temperature: -40° to +85°C
- Storage Temp: -40° to +85°C
- Connector: 2.4 mm Female
- Mating TE part numbers (examples):
 - Cable Assembly: 1-2016661-0 (2.4mm Male ST Double End, 50GHz Length 1M With Armor)
 - Adapter: 2081552-1 (2.4mm Plug to 1.85mm Jack)
- Contact TE for other available cable assembly and adapter types

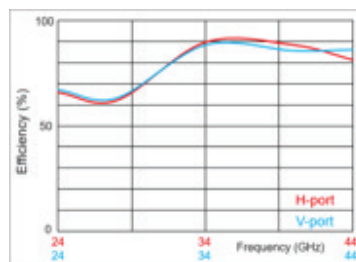
VSWR:



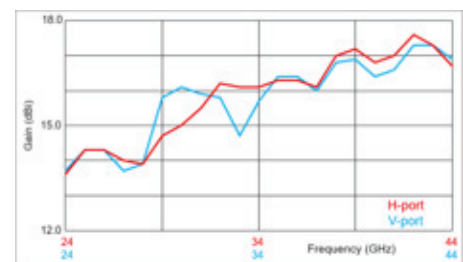
RETURN LOSS:



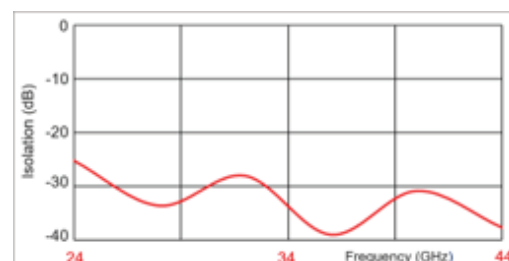
EFFICIENCY:



PEAK GAIN:

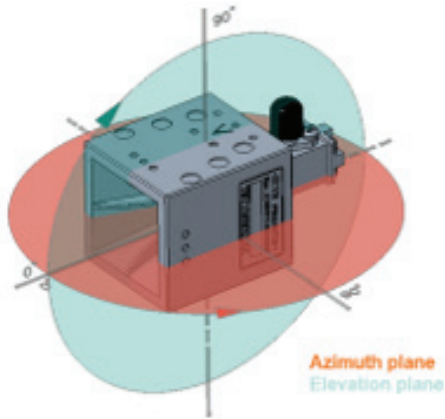


ISOLATION BETWEEN H-PORT & V-PORT:

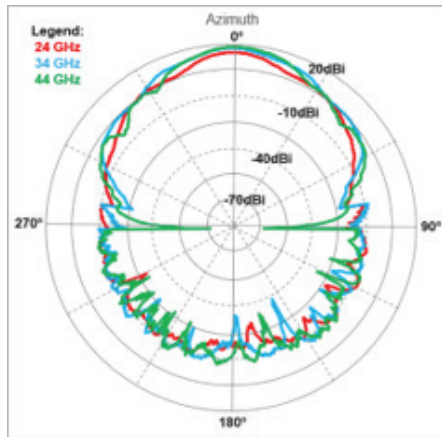


24 - 44 GHz Millimeter Wave Band Dual Polarized Horn Antenna

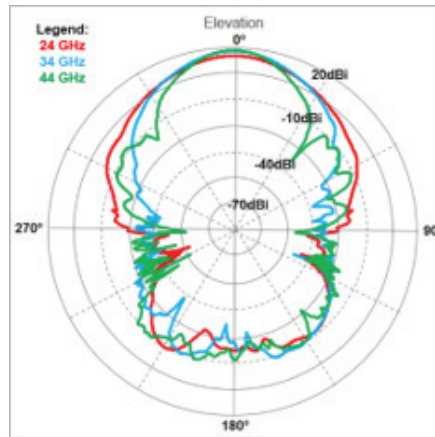
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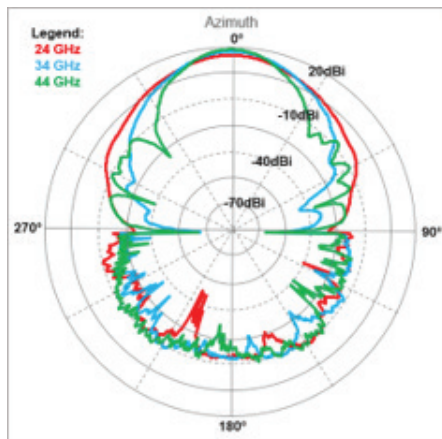
AZIMUTH (H-PORT):



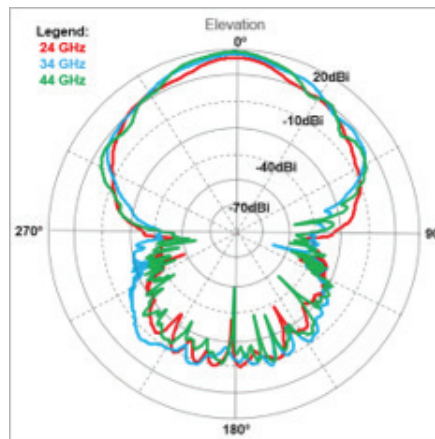
ELEVATION (H-PORT):



AZIMUTH (V-PORT):



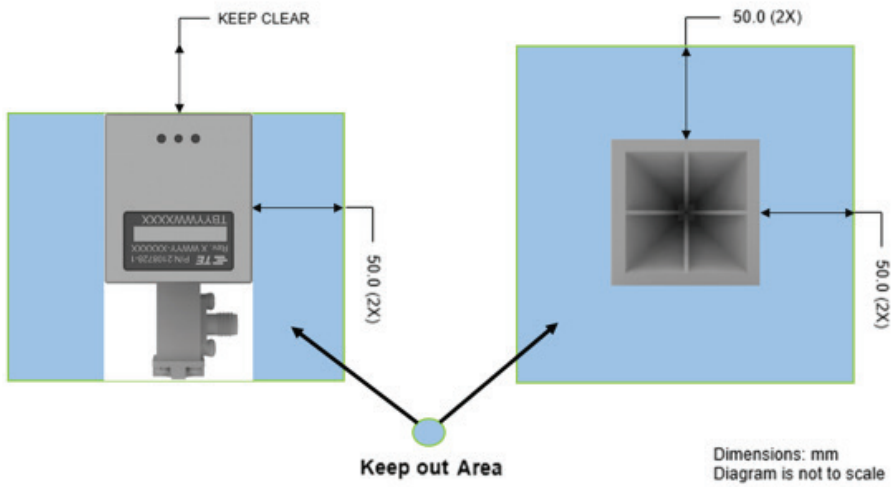
ELEVATION (V-PORT):



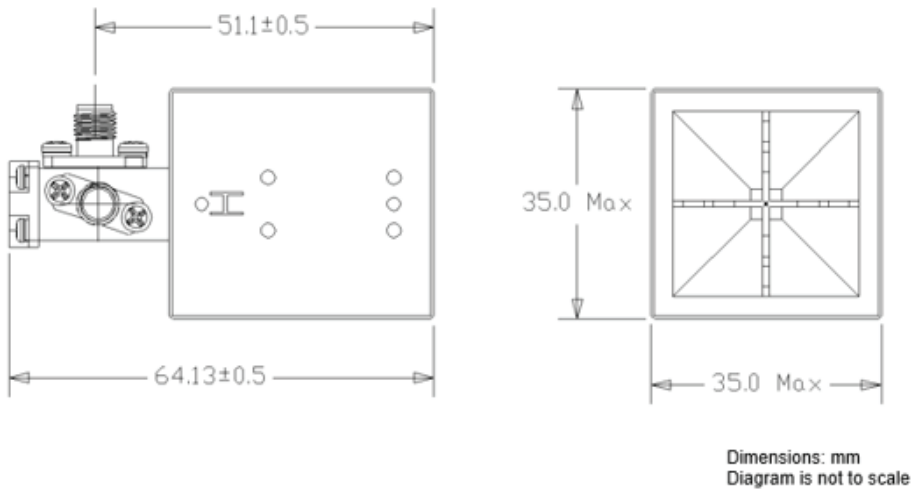
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KEEP OUT AREA:



APPROX. DIMENSIONS:



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