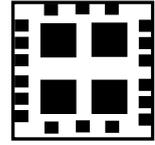
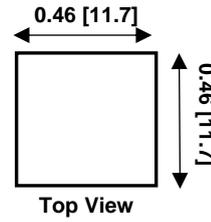


Product Overview

PTI-1001559 is a ready to use mmWave (millimeter wave) arrayable surface mount antenna. The part is compatible with SMT assembly processes. It provides excellent gain and efficiency from 24.25 to 27.5 GHz.



Bottom View

Applications

- Public/private mmwave/5G devices
- Basestations, repeaters, range extenders
- Remote sensing



11.7 mm x 11.7 mm x 2.41 mm

Key Features

- 50 Ohms input impedance
- High gain (>10 dBi) with flat response
- Covers the n258 band
- Access to individual elements in the 2x2 array
- **Arrayable form-factor**, increased gain/steerability

Order Information

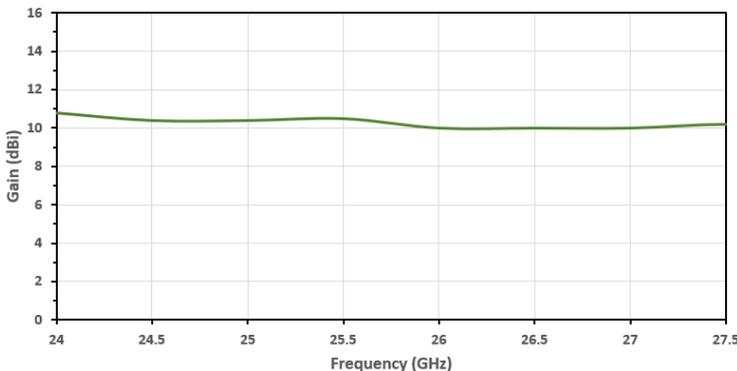
Part No.	Description
PTI-1001559	SMD (2x2 Antenna)
PTI-1002350	Evaluation Circuit

Specifications and Charts

Parameters	Min.	Typ.	Max.	Unit
Return Loss (S_{11})	-	-	-10.0	dB
Gain	10	10.5	10.8	dBi
Operating Freq.	24.25	-	27.5	GHz
HPBW ¹ (φ 0°)	-	48.4	-	Deg.
HPBW ¹ (φ 90°)	-	38.4	-	Deg.

1. Half power beamwidth at 26.5 GHz.

Gain (dBi) vs. Freq. (GHz)



* Gain after de-embedding the evaluation circuit.