

Product Overview

The PTI-1001558 is a ready to use mmWave (millimeter wave) antenna module. The part has a smooth bore (or full detent) SMP Mini connector plug interface. It provides high gain and efficiency from 24.25 to 29.5 GHz.

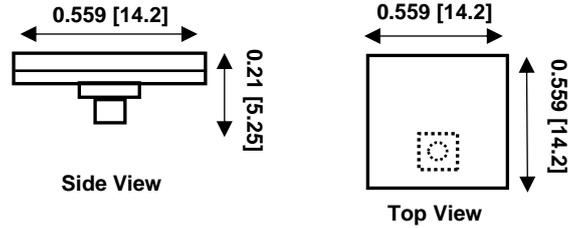
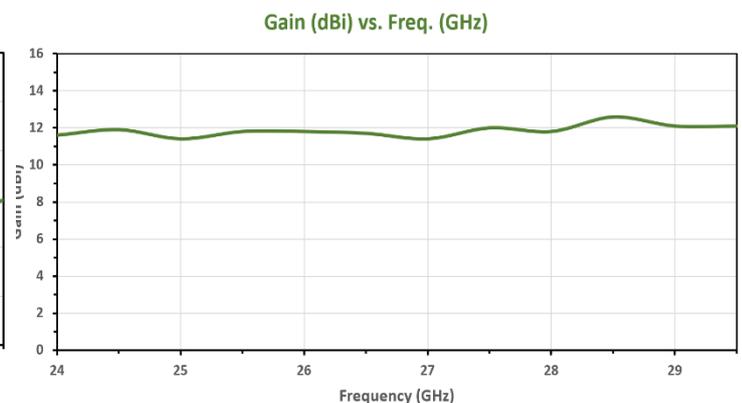
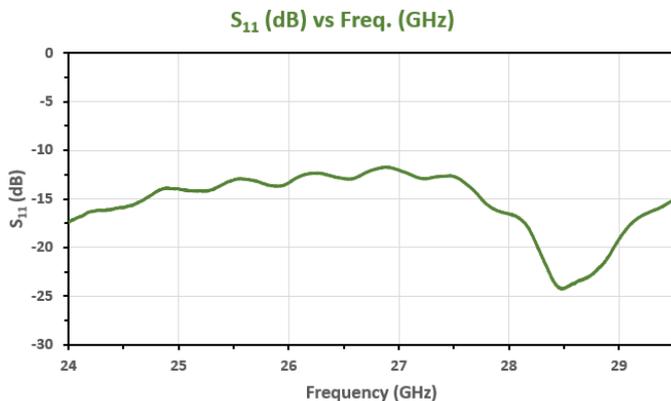
Key Features

- 50 Ohms input impedance
- High gain (>11 dBi)
- Covers **both** n257 and n258 bands
- Flat gain response
- Standalone (no soldering/bonding required)
- SMP Mini plug interface for ease of use

Specifications and Charts

Parameters	Min.	Typ.	Max.	Unit
Return Loss (S_{11})	-	-	-10.5	dB
Gain	11.4	11.7	12.5	dBi
Operating Freq.	24.25	-	29.5	GHz
HPBW ¹ (φ 0°)	-	46.3	-	Deg.
HPBW ¹ (φ 90°)	-	37.7	-	Deg.

1. Half power beamwidth at 26.5 GHz.



Applications

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



14.2 mm x 14.2 mm x 5.25 mm

Order Information

Part No.	Description
PTI-1001558-SB	Smooth bore SMP Mini Plug
PTI-1001558-FD	Full detent SMP Mini Plug