

# MPA-D254-1621

## Iridium Patch Antenna 25 mm

### Description

High-performance, very low profile antenna product designed for Iridium-based embedded applications. It is ideal for handhelds, PDAs and tracking devices. The very compact size and lightweight features make this Iridium embedded antenna one of a kind in the market and perfect for various commercial and industrial applications. With a total efficiency of 80%, this antenna can operate in the most extreme and demanding applications. Custom connector with short pigtail available for direct connection.

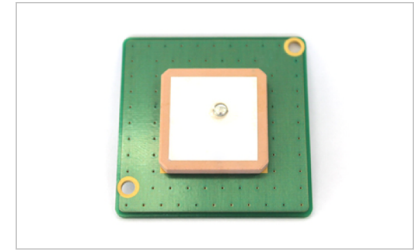
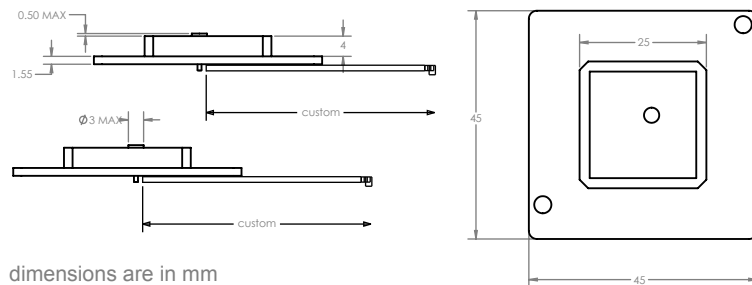


Image does not reflect the actual size of the antenna

### Mechanical Specifications



### Electrical Specifications

45X45 mm ground plane

Parameter	Design Specifications
Frequency	1616-1626 MHz
Polarization	RHCP
Total efficiency	80%
Realized gain	2.5 dBic
Axial ratio	4 dB (typical)
Bandwidth (-1dB)	20 MHz
Beamwidth (3dB)	100° (both axis)
CP rejection	7 dB (typical)
VSWR	1.3:1
Impedance	50 Ohm
Operating temp.	from -40°C to 85°C

### Features

- Iridium frequency band
- Custom connector
- Compact size
- Custom tuning
- Custom connector options

### Applications

- Vehicle & fleet tracking
- Embedded applications
- Handheld devices
- Military & security
- Asset tracking
- PDAs/laptops
- Oil & gas industries
- Navigation devices
- Law enforcement
- LBS & M2M applications

### Realized gain plot

measured at 1621MHz on a 45X45 mm ground plane

