

Description

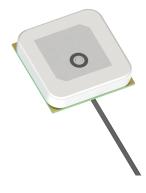
The MPA-258-WIFI is a high gain antenna customized for 2.4 GHz WIFI frequencies. This advanced ceramic patch antenna with cable includes a 25x25x4.5 mm embedded patch with mini-IPEX cable and connector. The MPA-258-WIFI has its own ground PCB board. This antenna is designed for embedded applications which feature high performance WIFI 2.4GHz mobile applications and IOT solutions. The MPA-258-WIFI utilizes a special semi ceramic based material which leads to higher upper hemisphere efficiency and a lower axial ratio as compared to regular patch antennas. This allows the antenna to be superior and a top choice for demanding WIFI multiband/multifrequency antenna requirements.

Electrical Specifications

Parameter	Specification
Range Of Receiving Frequency	2450 ± 50 MHz
Center Frequency	2451 ± 5 MHz
VSWR	< 2.5
Peak Gain	> 0.5 dBi
Polarization	Linear
Impedance	50 Ω

Mechanical Specification

Parameter	Specification
Antenna Dimensions	25 x 25 x 4.5 mm
PCB	24.8 x 24.8 x 0.8 mm
Operating Temperature	-40°C to 105°C
Connector	I-PEX (MHF)
Cable Type	Ø1.37 mm
Cable Length	150 mm



Features

- 2.4GHz Wi-Fi frequency
- Integrated Ground plane with cable
- · Easy mounting
- Surface Mount
- Compact size
- Advanced Ceramic Material
- · Ground Plane Dependent
- Terminator using IPEX connector
- Dimensions 25 x 25 x 4.5 mm

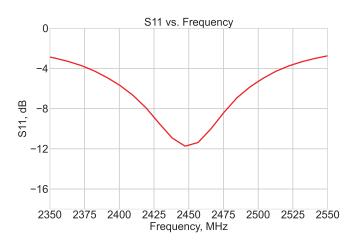
Applications

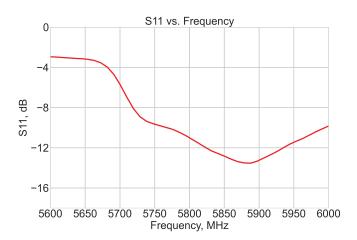
- WiFi Applications
- Mobile applications
- Drones, robotics
- · IoT applications
- VR/AR applications
- Industrial controls



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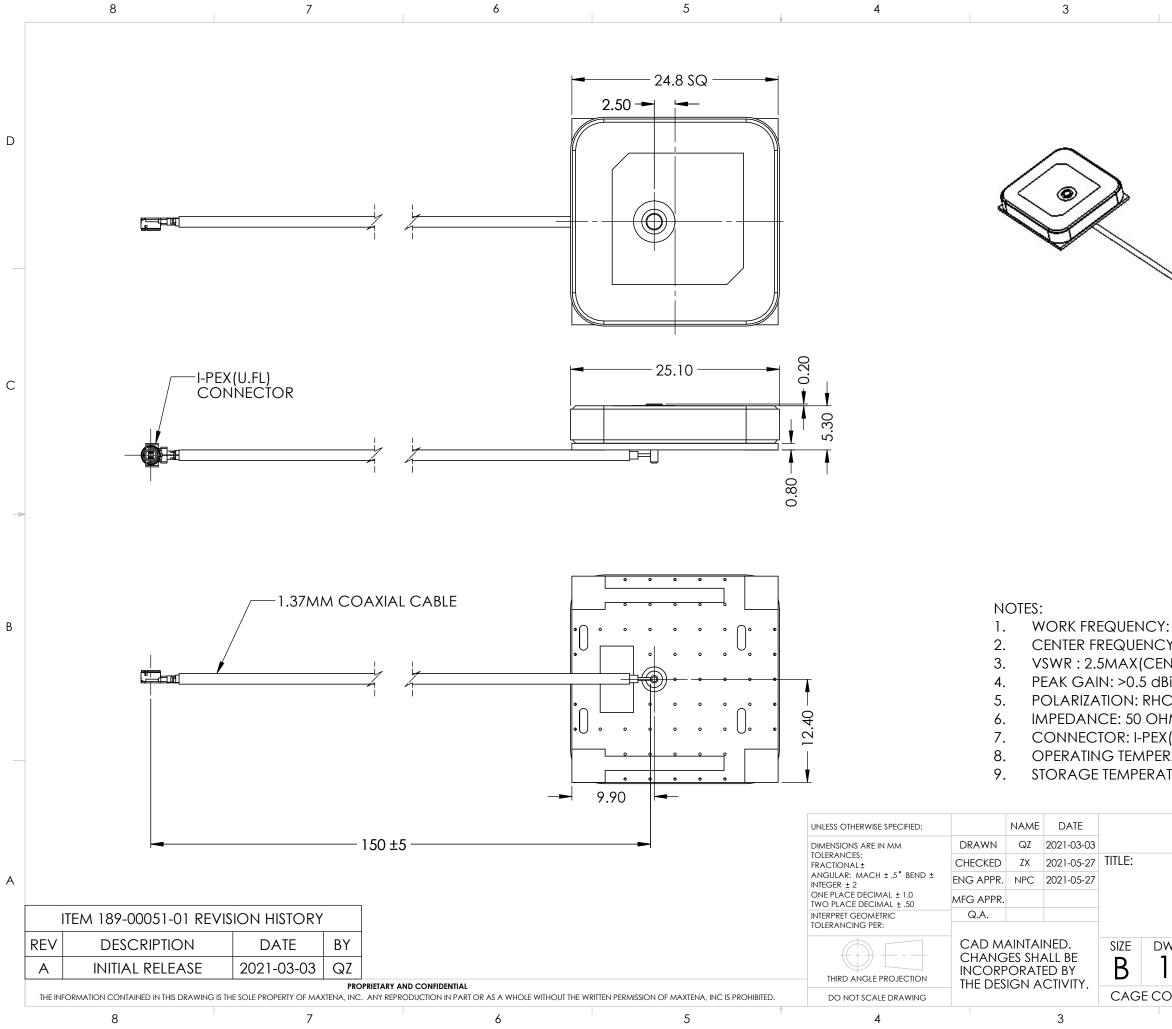






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