

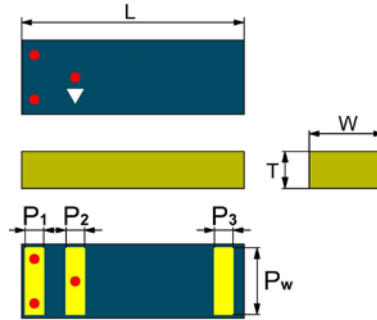
## PRODUCT FEATURES

1. Surface mount ceramic antenna with a small size of 12.0 X 4.0 X 2.0 mm.
2. Highly stable under temperature and humidity changes.
3. Superior performance in a compact size, RoHS compliant.

## RF CHARACTERISTICS

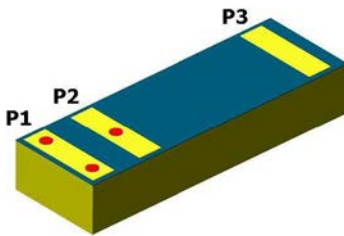
PN AT2450G4716AT	Specification
Working Frequency Range	2.4-2.5GHz
Gain	2.0 dBi(Typical)
Return Loss	-10 dB min
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Rated Power	1W
Operating Temperature	-40°C to +85°C

## PHYSICAL DIMENSIONS



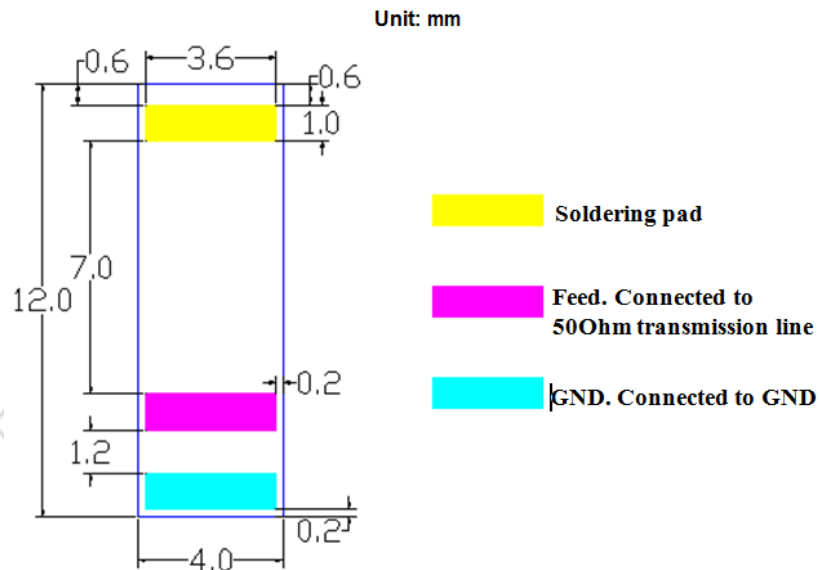
Symbol	Dimension (mm)
L	12.0 ± 0.15
W	4.0 ± 0.15
T	2.0 ± 0.20
P <sub>w</sub>	3.6 ± 0.10
P <sub>1</sub> , P <sub>2</sub> , P <sub>3</sub>	1.0 ± 0.10

## TERMINAL CONFIGURATION

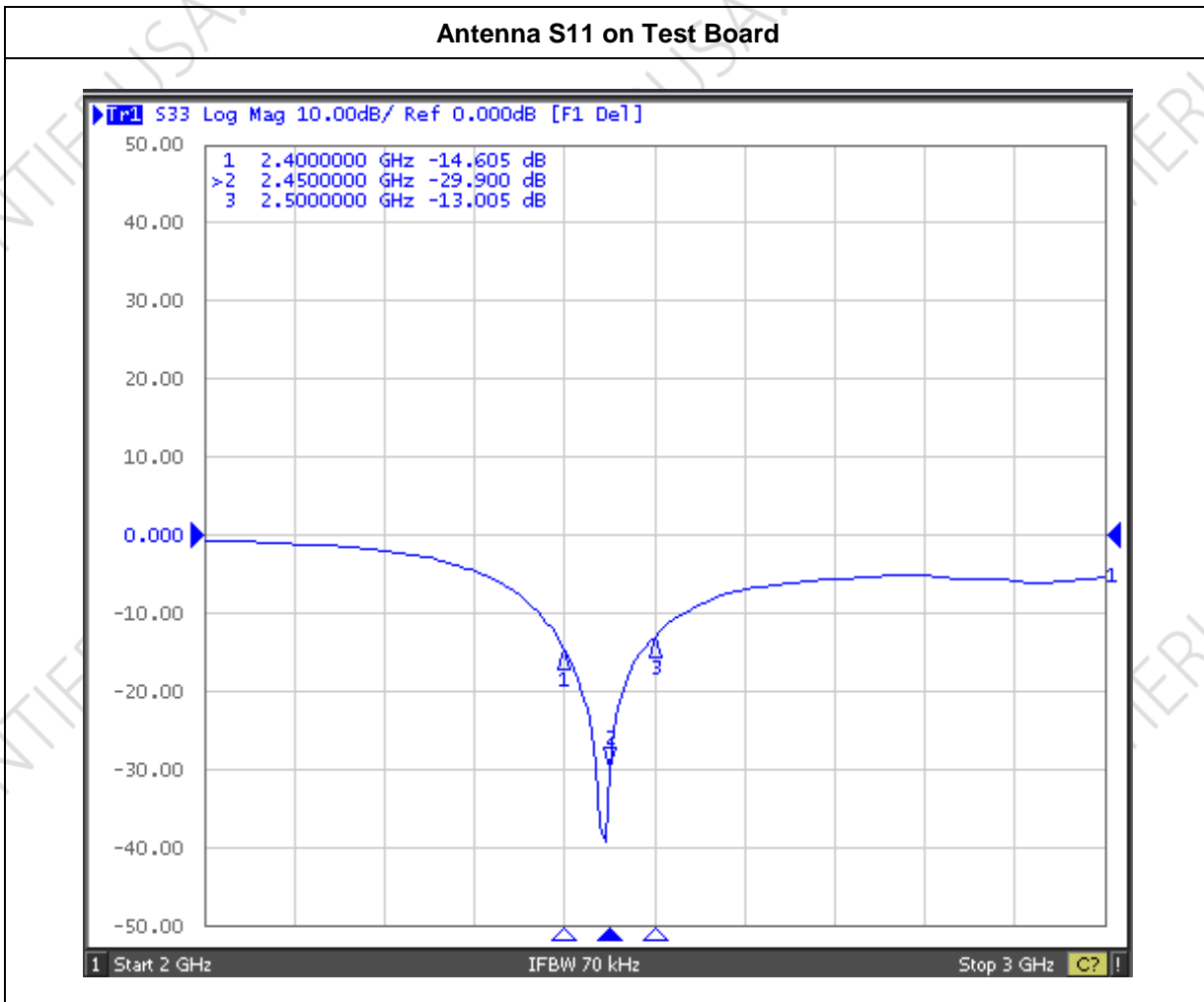
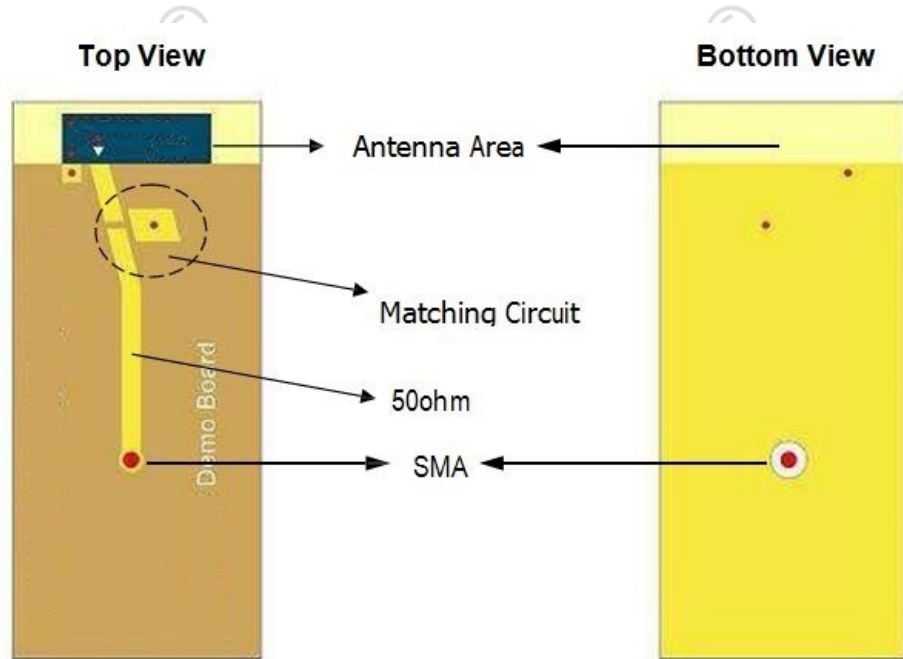


PIN	Connection
P1	GND
P2	Feeding
P3	Soldering terminal

## PCB DESIGN/LAYOUT CONSIDERATION



## TEST BOARD DESIGN



## RADIATION PATTERNS

The test board orientation is defined as:

