



AT2450E7512AT ANTENNA SPECIFICATION

Rev. A

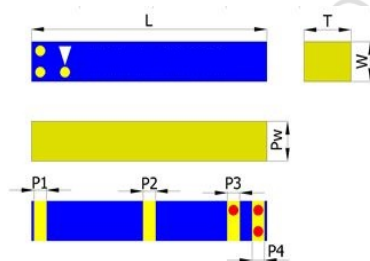
PRODUCT FEATURES

1. Surface mount ceramic antenna with a small size of 19 X 3 X 4 mm.
2. GND clearance area not required.
3. Highly stable under temperature and humidity changes.
4. Superior performance in a compact size, RoHS compliant.

RF CHARACTERISTICS

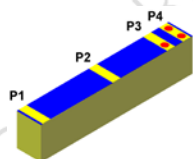
	Specification
Working Frequency Range	2.4-2.5GHz
Gain	2.0 dBi(Typical)
Return Loss	-10 dB min
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Rated Power	1W max
Operating Temperature	-40°C to +85°C

PHYSICAL DIMENSIONS



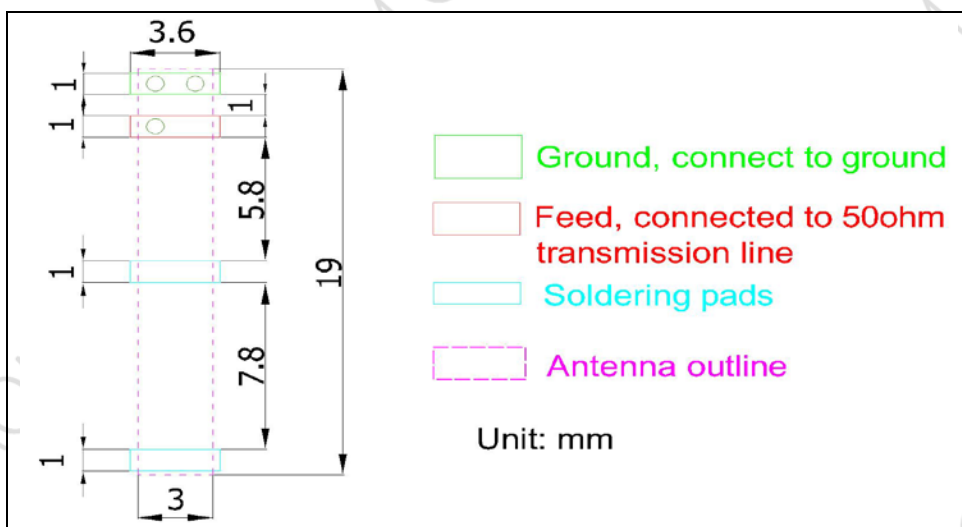
Symbol	Dimension (mm)
L	19.0 ± 0.15
W	3.0 ± 0.15
T	4.0 ± 0.20
P _w	3.0 ± 0.10
P1 – P4	1.0 ± 0.10

TERMINAL CONFIGURATION



Pin	Definition
P1	Soldering
P2	Soldering
P3	Feed
P4	Ground

PCB DESIGN/LAYOUT CONSIDERATION

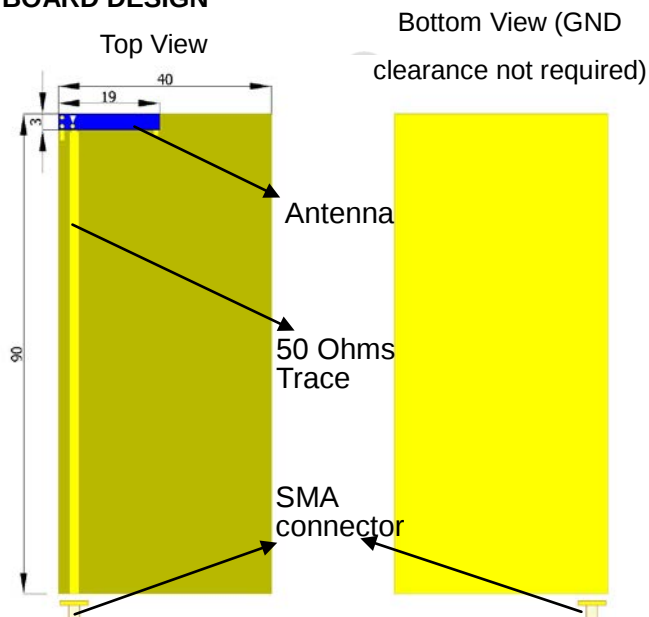




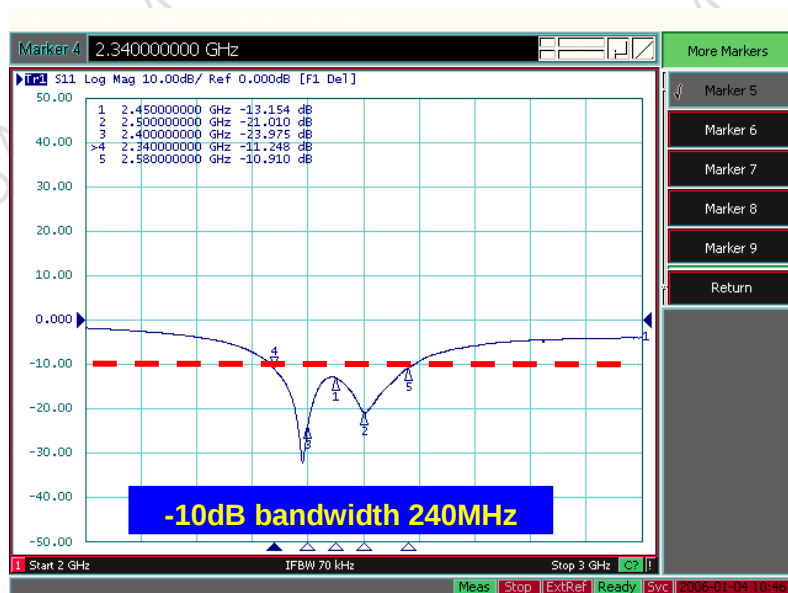
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TEST BOARD DESIGN



Antenna S11



VSWR:





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RADIATION PATTERNS

The test board orientation is defined as:

