



AT2450A1306CT ANTENNA SPECIFICATION

Rev. A

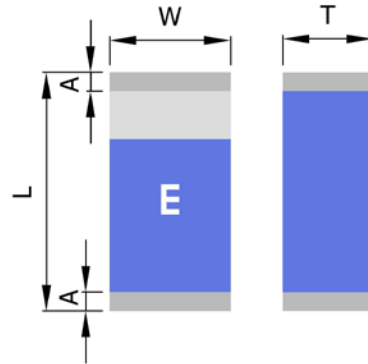
PRODUCT FEATURES

1. Surface mount ceramic antenna with a small size of 3.2 X 1.6 X 1.2 mm.
2. Highly stable under temperature and humidity changes.
3. Superior performance in a compact size, RoHS compliant.

RF CHARACTERISTICS

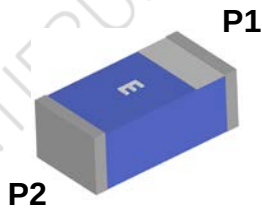
PN AT2450A1306CT	Specification
Working Frequency Range	2.4-2.5GHz
Gain	2.0 dBi(Typical)
Return Loss	-10 dB min
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Rated Power	1W max
Operating Temperature	-40°C to +85°C

PHYSICAL DIMENSIONS



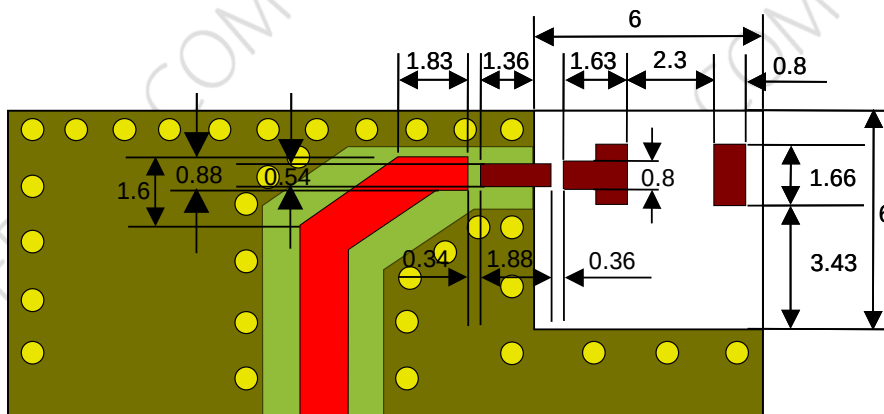
Symbol	Dimension (mm)
L	3.20 ± 0.20
W	1.60 ± 0.10
T	1.20 ± 0.10
A	0.25 ± 0.15

TERMINAL CONFIGURATION



PIN	Connection
P1	Feeding
P2	Soldering terminal

PCB DESIGN/LAYOUT CONSIDERATION

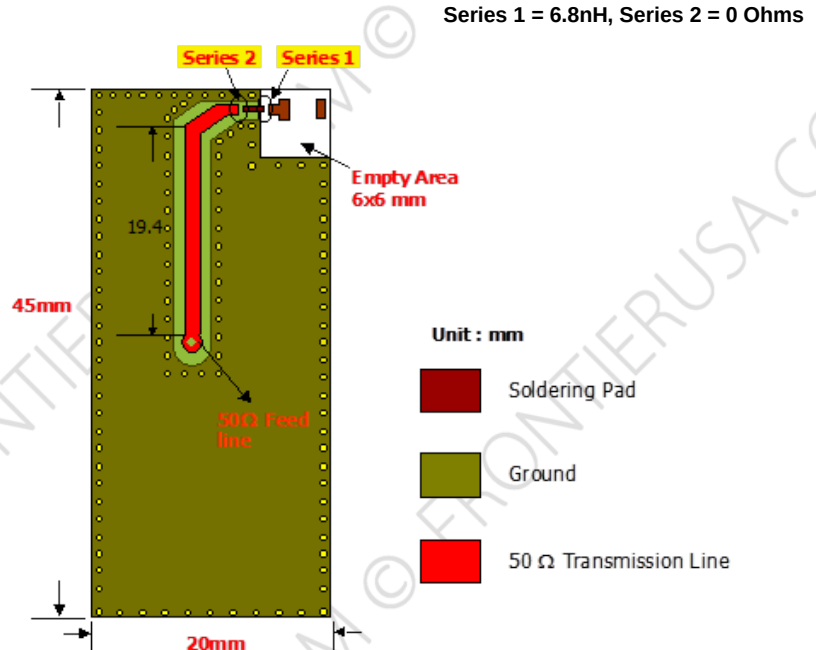
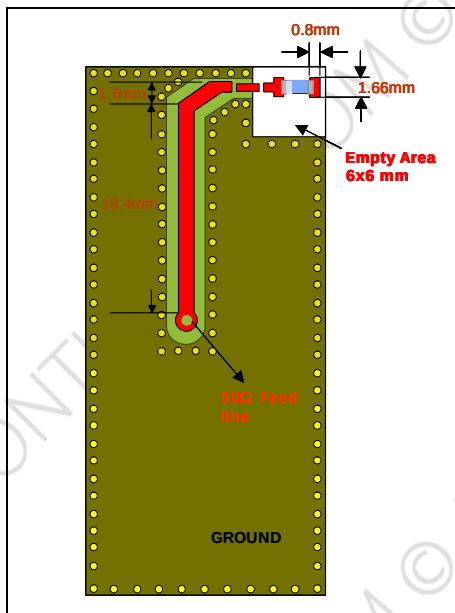




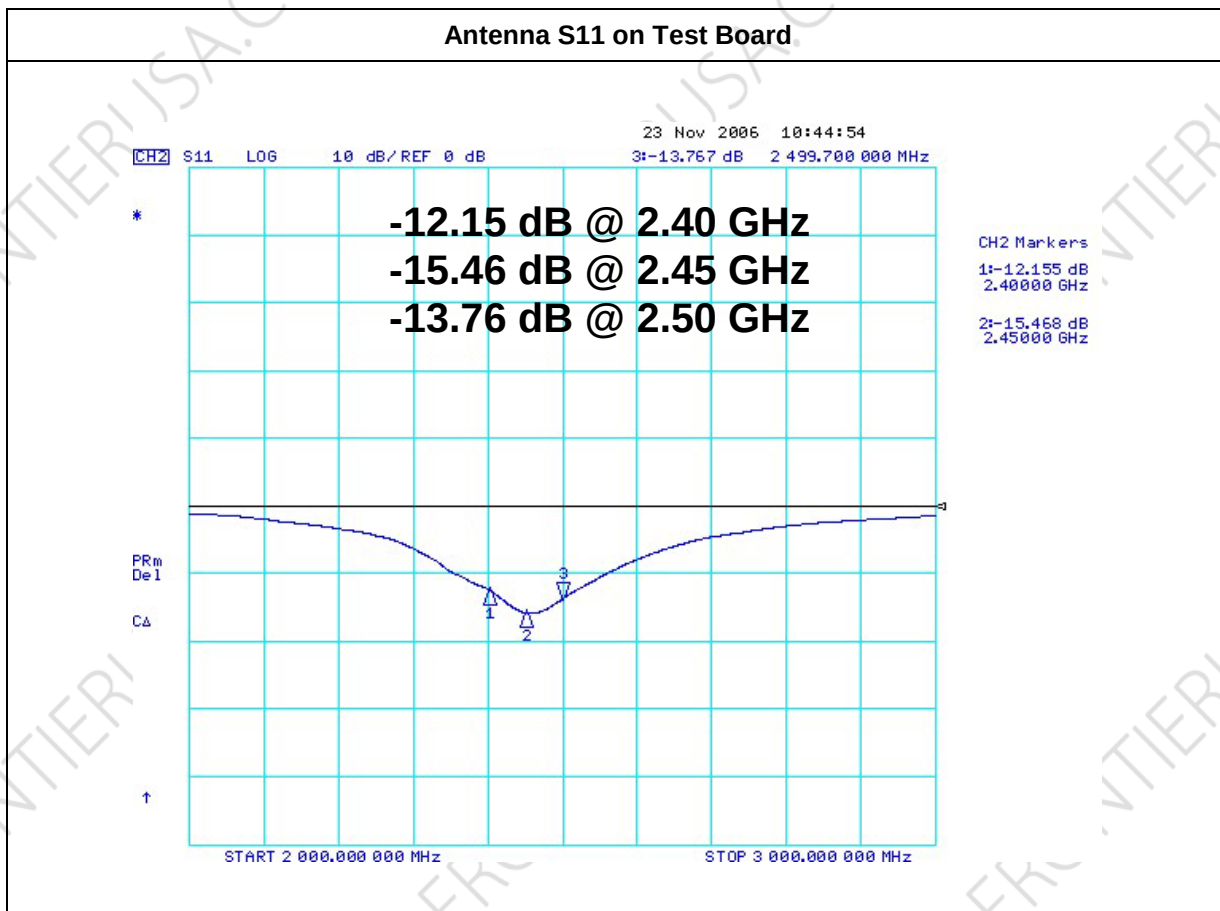
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TEST BOARD DESIGN



Antenna S11 on Test Board





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RADIATION PATTERNS

The test board orientation is defined as:

