



AT1575A1306AT ANTENNA SPECIFICATION

Rev. A

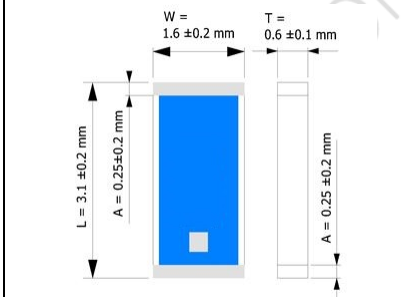
PRODUCT FEATURES

1. Surface mount ceramic antenna with a small size of 3.2 X 1.6 X 0.6 mm.
2. Minimum no-GND area requirement.
3. Highly stable under temperature and humidity changes.
4. Superior performance in a compact size, RoHS compliant.

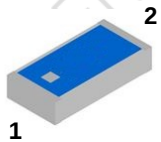
RF CHARACTERISTICS

	Specification
Working Frequency Range	1.575GHz
Gain	3.0 dBi(Typical)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω

PHYSICAL DIMENSIONS

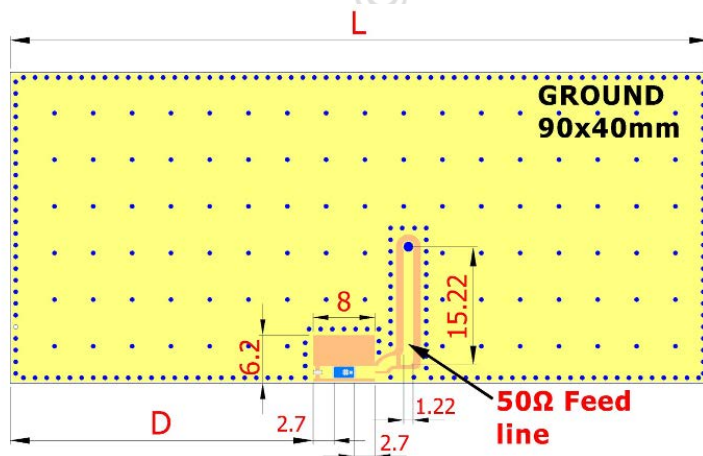
Figure	Symbol	Dimension (mm)
	L	3.10 ± 0.20
	W	1.60 ± 0.20
	T	0.60 ± 0.10
	A	0.25 ± 0.20

TERMINAL CONFIGURATION

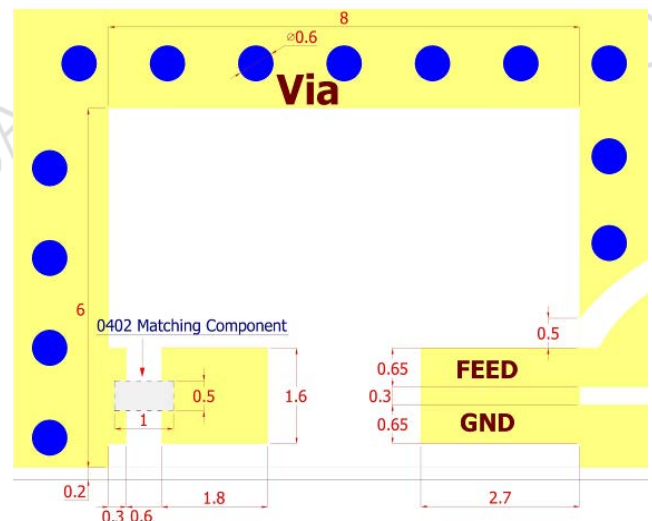


Pin	Connection
1	Feed point
2	NC (Soldering terminal)

PCB DESIGN/LAYOUT CONSIDERATION

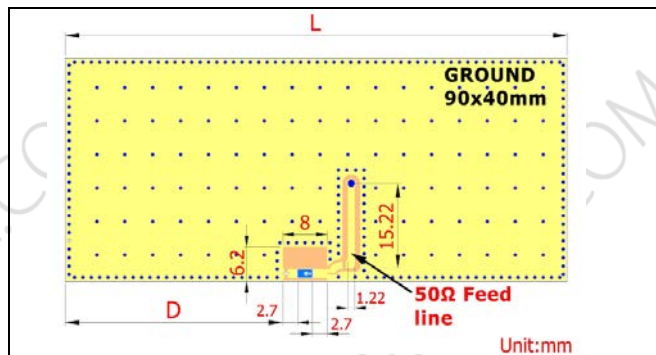


Caution: Test board is designed with L=90mm and D=40mm. Smaller "L" and "D" dimensions can cause degradation in antenna performance.

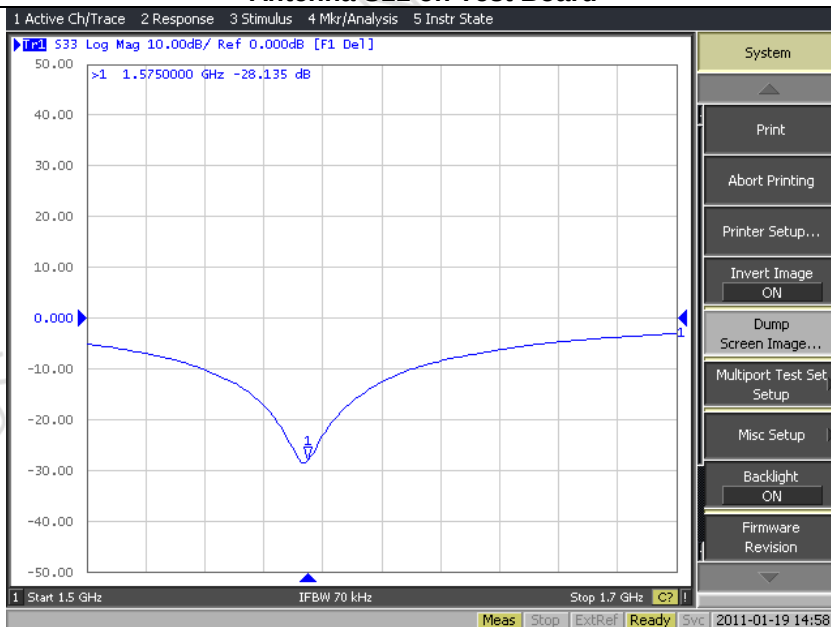




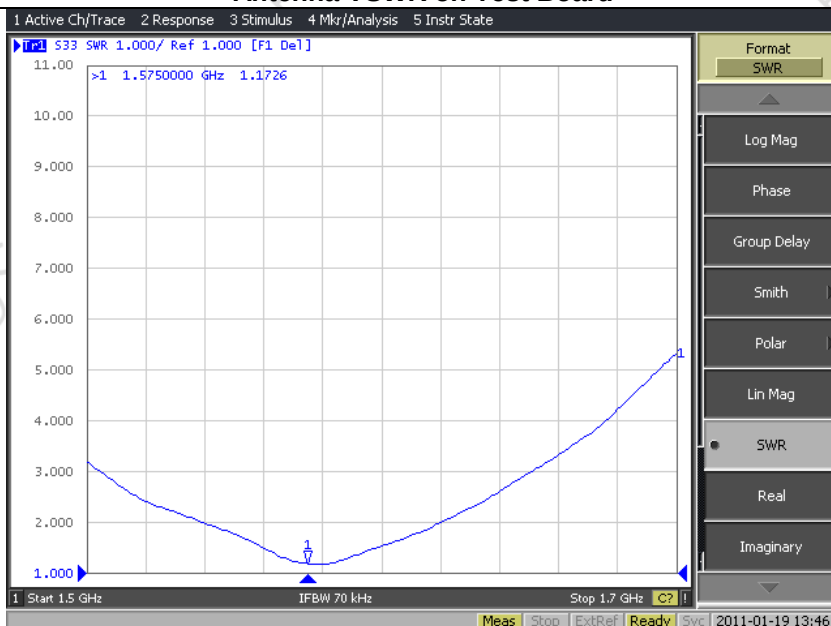
TEST BOARD DESIGN (Thickness 0.8mm)



Antenna S11 on Test Board



Antenna VSWR on Test Board





RADIATION PATTERNS

The antenna orientation of the test board is defined as follow:

