

1.575GHz 3216 Chip Antenna: AAN3216F2P1G57

Application:

GPS, Navigation, etc...

Features

SMD, high reliability, ultra Impact, Omni-directional...



Part number

AAN 3216 F2 P 1G57
 (1) (2) (3) (4) (5)

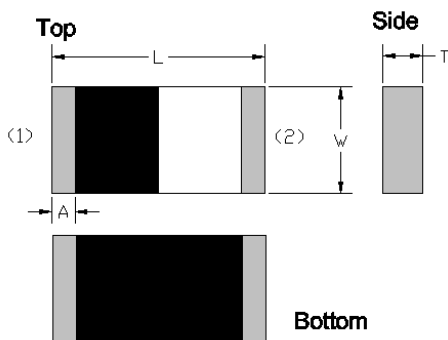
(1) Product Type	Chip Antenna
(2) Size Code	3.2x1.6mm
(3) Type Code	F2
(4) Packing	Paper Tape
(5) Frequency	1.575GHz

Electrical Specification

Centre Frequency	1.575 GHz
Peak Gain	1.49 dBi (Typ.)
Impedance	50 Ohm
Return loss	10 dB (Max)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(°C)	-40 ~85°C

The specification is defined on EVB.

Dimension and Terminal Configuration



Dimension (mm)	
L	3.10±0.25
W	1.50±0.25
T	0.50±0.15
A	0.30±0.10

No.	Terminal Name
1	Feeding Point
2	GND

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Evaluation Board Reference

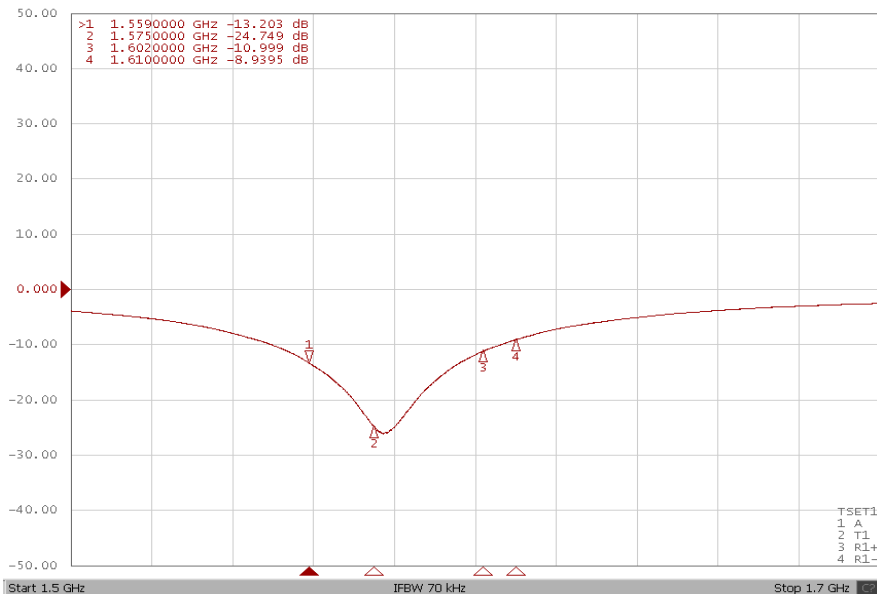
PCB Dimension	Antenna Layout Reference

unit :mm

Electrical Characteristics

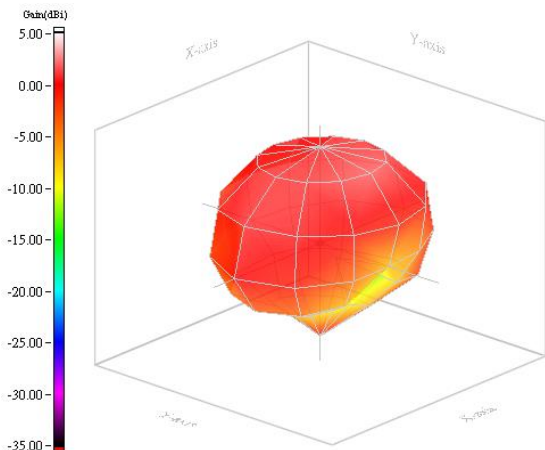
Return Loss & Radiation

Return Loss



Frequency (MHz)	S11 (dB)
1559	-13.2
1575	-24.8
1602	-11.0

Radiation



Frequency	1.575GHz
Peak gain	1.49dBi
Average gain	-1.15dBi
Efficiency	61.5%

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Reliability Table

