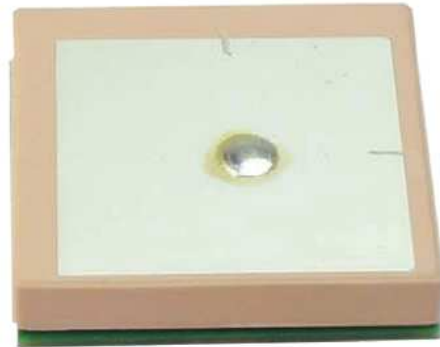
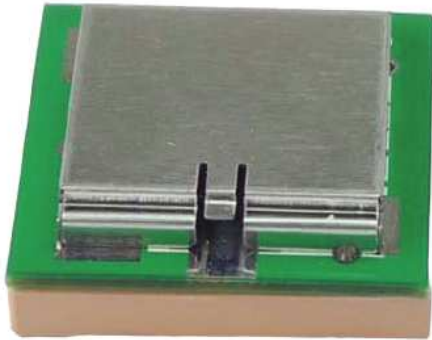


GPS Active antenna GPS ANN-M STRIP



Part number: **GPS ANN-M STRIP** – Active antenna, bear body

Application

This application shall apply for antenna unit which shall be used with an engine for an automobile.(for impedance 50Ω)

Electrical Specification

All value are defined at 25±15 °C ,65±20 % RH, power handling 1 u watt, air pressure 960 ±100 HPA unless otherwise noted.

Appearance

Antenna Unit (refer to an attached drawing)
 Dimensions 25 x 25 x 8.8 mm
 Weight 12.3 ± 1 g (typ)

Patch

Center Frequency	1575.42±1.023 MHz (when covered with a radome and measured on LNA ground plane)
Bandwidth (10dB return loss)	10 MHz min
Gain at Zenith	1 dBic typ
Gain at 10o elevation	- 5.0 dBic typ
Polarization	R.H.C.P
Axial Ratio	1.0 dB typ

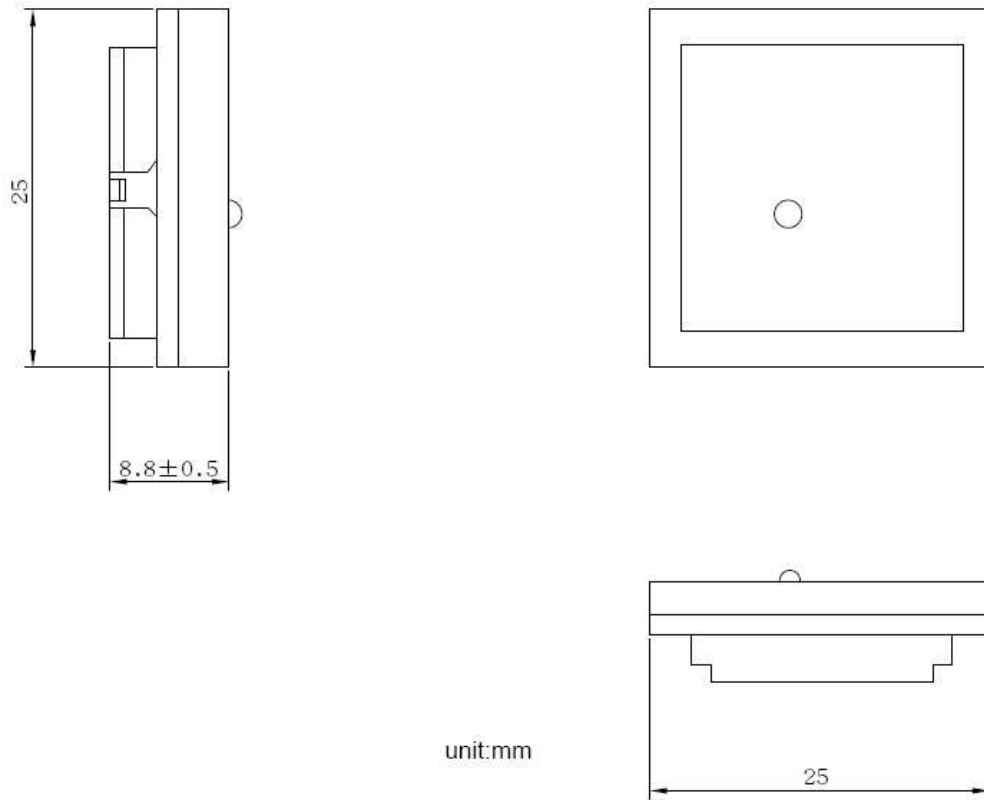
Environmental Specification

Operating	Temperature	-40°C ~ +90°C
	Humidity	10% RH ~ 95% RH
Storage	Temperature	-40°C ~ +90°C
	Humidity	10% RH ~ 95% RH

Filter/LNA

Center Frequency	1575.42 ± 1.023 MHz
Gain	30 ~ 37dB (ps:3v / 32dB)
Noise Figure	1.4 dB typ (ps: 3v / 1.35dB)
Filter (Out of band attenuation)	Saw filter 40dB typ fo ± 50MHz 45dB min fo ± 100MHz (fo=1575.42MHz)
Output V.S.W.R	2.0 max
Voltage	DC = 2.5 ~ 5.5V
Current	DC = 8 ~ 23mA (ps: 3v / 10mA)

Antenna Dimensions



Radiation Pattern(without LNA)

