2JM040G
(DATASHEET)

Type	GNSS antenna
Frequencies	GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
Mounting	Embedded SMT
Revision	00



P. Tipul D.Noble

1. SPECIFICATION

1.1. Electrical Specifications

Frequencies	GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
Impedance	50 Ohms
Polarization	RHCP
LNA Gain	18dB
Voltage supply	2.7V - 5.5V
Current	9mA (at 3V)
Power (max.)	30mW (at 3V)
Operating temperature	-40°C to +85°C

1.2. Connection Specifications

Connection type: SMT

1.3. Mechanical Specifications and Dimensions

Max. dimensions: 12.5 mm x 13mm x 13mm (H x L x W)
Weight: 5g

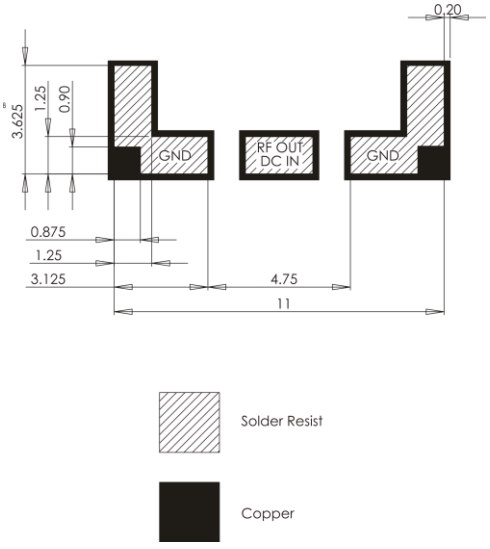


Figure 1 – Footprint

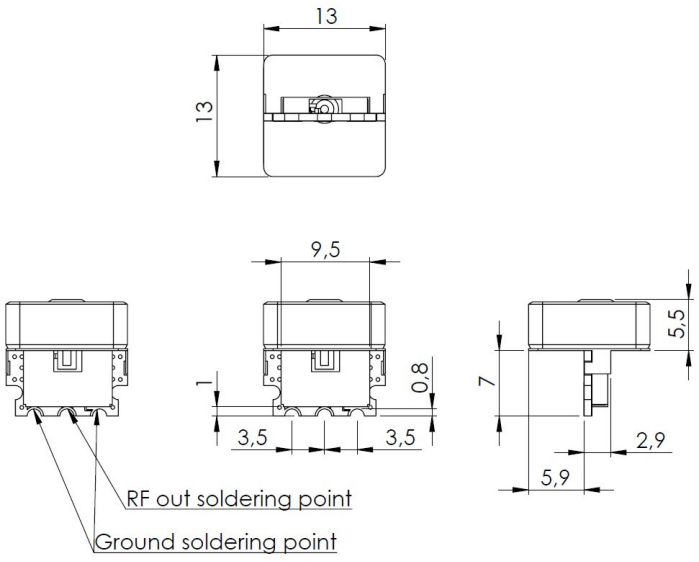
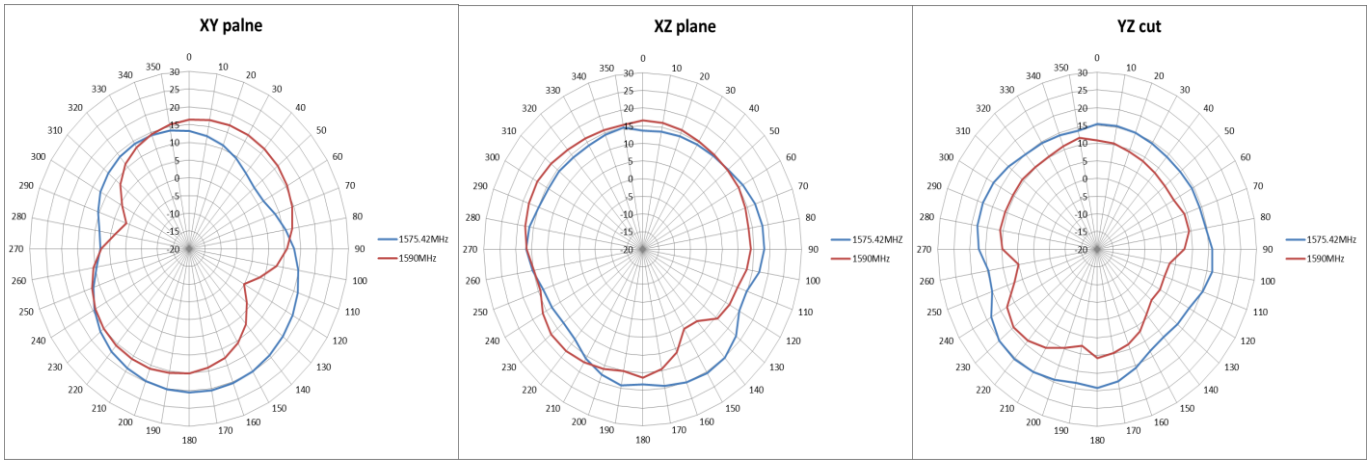


Figure 2 – Module dimensions

2. MEASUREMENT

- 180 deg. in XZ and YZ plane is top of the ceramic



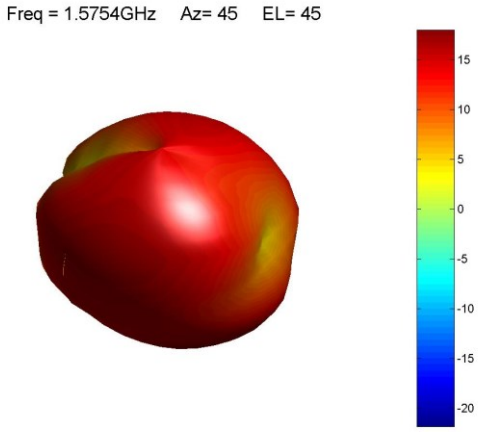


Figure 2 - Anetnna gain at 3V for freq 1.57542 GHz

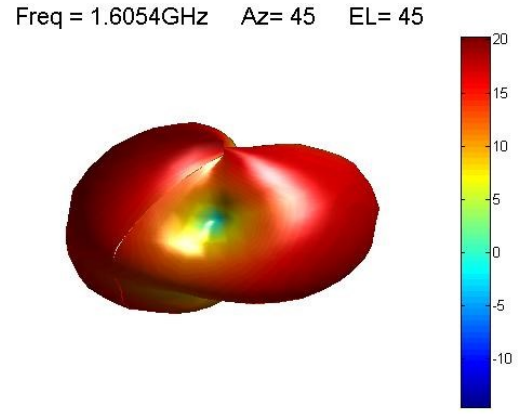
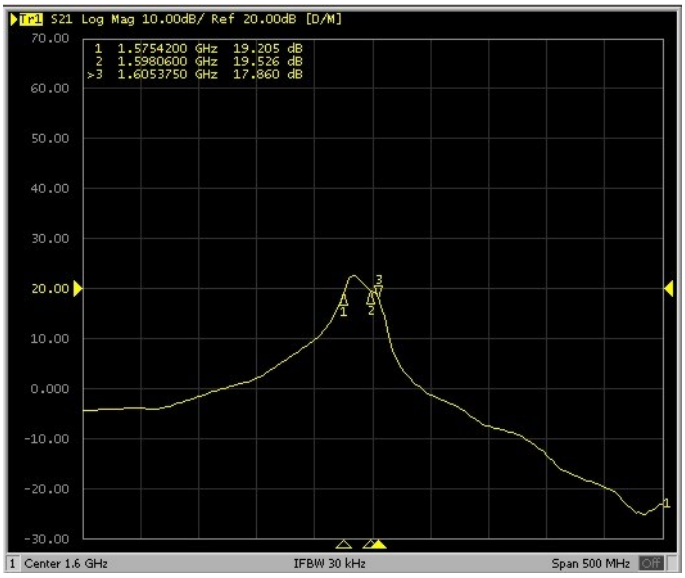


Figure 3 - Antenna gain at 3V for freq 1.6054 GHz

Gain at 5V



Gain at 3V



3. IMAGES







