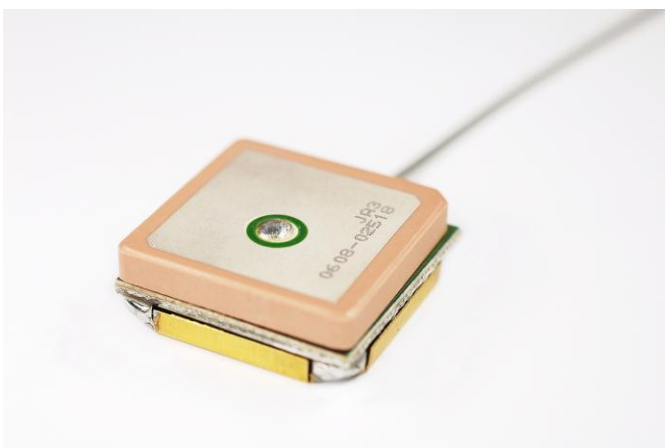


DATASHEET

Type	GNSS Module
Frequencies	GPS (1575.42 MHz)
Mounting	Embedded/Patch Mount
Part No.	2J405/U
Revision	00





1. SPECIFICATION

1.1. *Electrical Specifications*

Frequencies	GPS (1575.42 MHz)
Impedance	50 Ohms
Polarization	RHCP
LNA Gain	18dB
VSWR	<2:1
Voltage supply	2.7V - 5.5V
Current	15mA - 25mA
Power (max.)	138mW
Operating temperature	-40°C to +85°C

1.2. *Connection Specifications*

1.2.1. Default (recommended)

Connector type:	U.FL
Cable:	Microcoax 1.13
Cable length:	15cm

1.2.2. Optional

Suitable cables:	RG174, RG316
Cable length:	min. 10 cm
Suitable connectors:	All connectors suitable for cables above

1.3. *Mechanical Specifications and Dimensions*

Shielded version (2J405):

PCB Material:	FR4
Dimensions:	25.7mm x 8.3mm x 25.7mm (L x T x W)

Unshielded version (2J405U):

PCB Material:	FR4
Dimensions:	25.7mm x 7.8mm x 25.7mm (L x T x W)

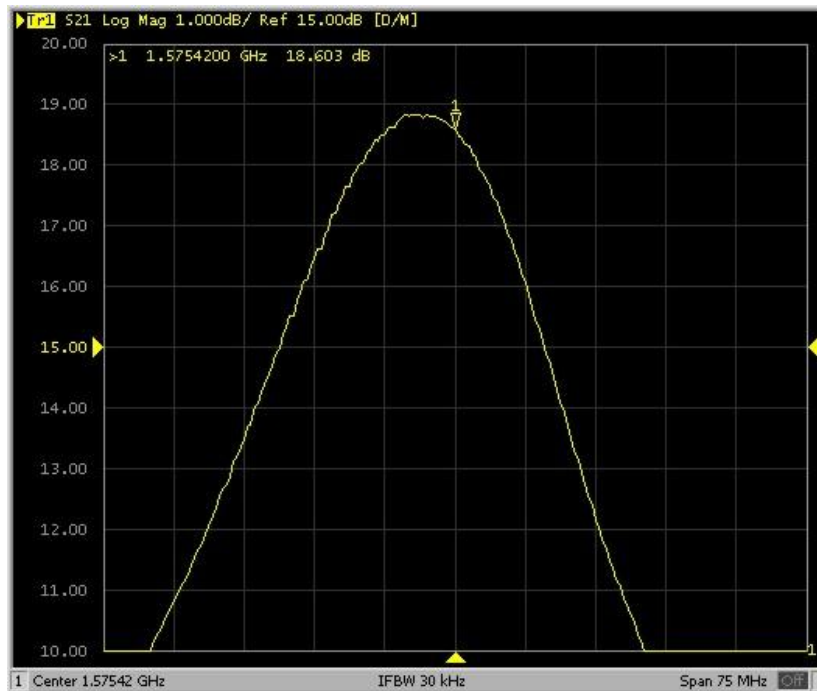
2. MEASUREMENT

2.1. *Set for Measurements*

Connection:	Used default cable length and connection.
Temperature:	25 °C
Input power:	0 dBm

DAMS positioner with AUT and reference antenna are placed in anechoic chamber

2.2. Electrical Characteristics



3. PLACEMENT RECOMMENDATIONS

- Do not cover with metallic materials

4. ORDER INFORMATION

2J405	GPS version with shield box
2J405U	GPS version without shield box
2J405G	GPS/GLONASS version with shield box
2J405GU	GPS/GLONASS version without shield box