

DATASHEET

Type	GNSS module
Frequencies	GPS (1575.42 MHz)
Mounting	Embedded/Patch Mount
Part No.	2JM012
Revision	00





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1. SPECIFICATION

1.1. Electrical Specifications

Frequencies	GPS (1575.42 MHz)
Impedance	50 Ohms
optional external antenna	MMCX f
Noise figure	1.15dB
Polarization	RHCP
LNA Gain	26dB at 3V, 27dB at 5V
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 1,13mm
Cable length:	10 cm

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

Material:
Dimensions: 20.5mm x 8.3mm x 16.4mm (L x T x W)
Weight: 5 g 'counted with default connection'
Colour: Black (for different colours please ask our sales team)

2. MEASUREMENT

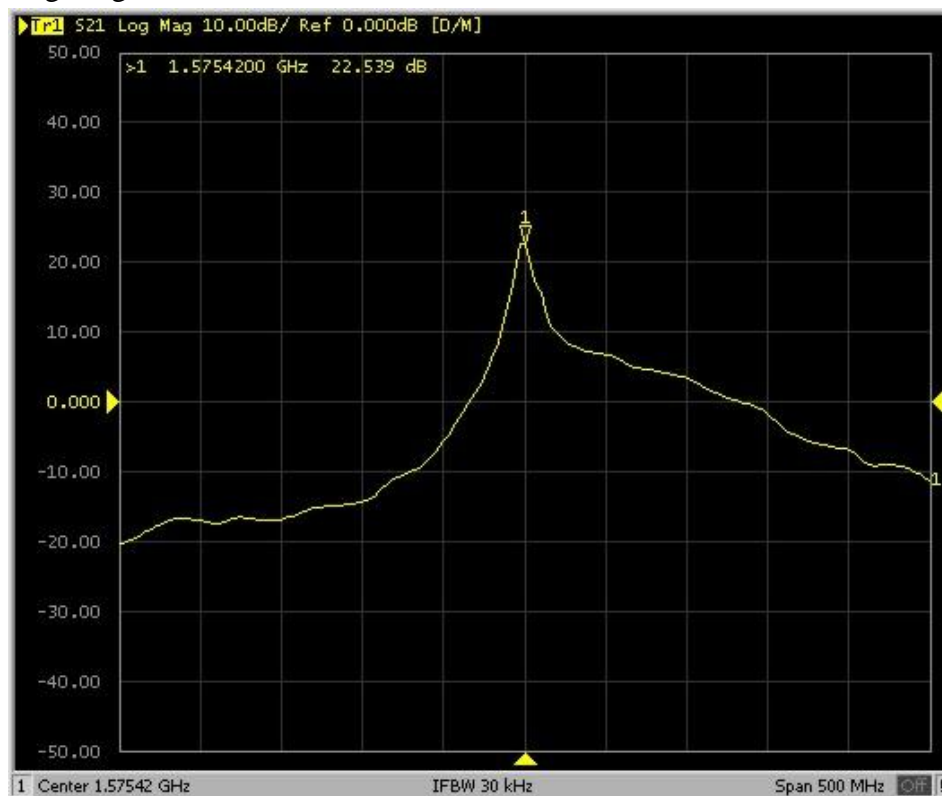
2.1. Set for Measurements

Connection: Used default cable length and connection.
Temperature: 25 °C
Input power: 0 dBm
Voltage supply: 3V

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

2.2. Electrical Characteristics

Log Mag



3. PLACEMENT RECOMMENDATIONS

- embedded systems with option to connect external antenna
- don't cover with metallic materials

4. IMAGES

