

DATASHEET

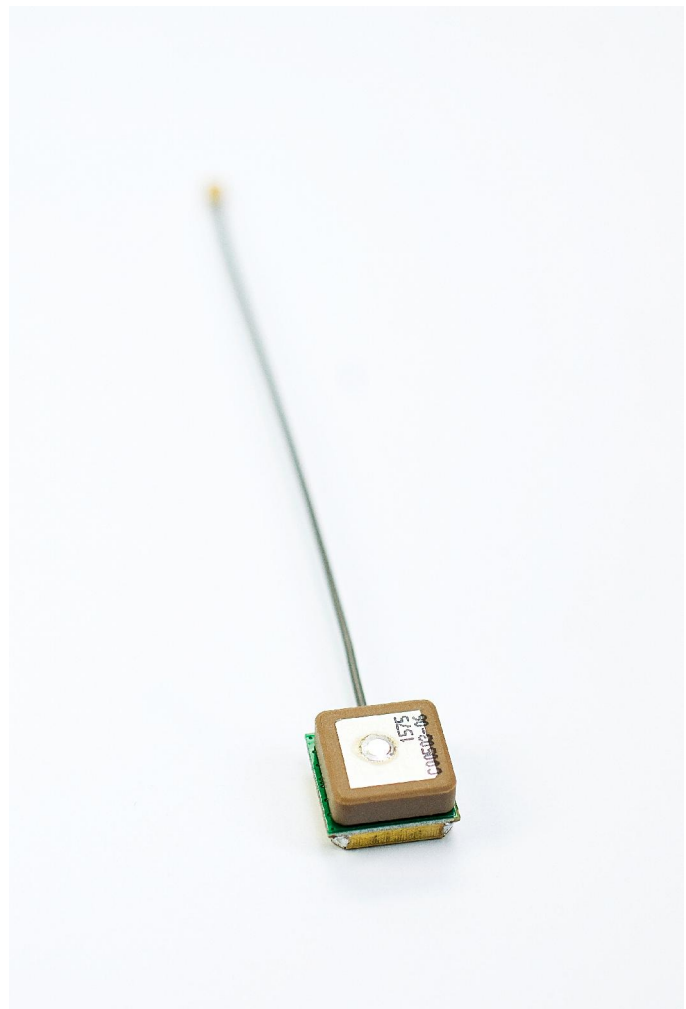
Type	GNSS module
Frequencies	GPS (1575.42 MHz)
Mounting	Any Surface/Patch Mount
Part No.	2J434
Revision	00

Application

Positioning systems
Embedded

Features

Small dimensions





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1. SPECIFICATION

1.1. Electrical Specifications

Frequencies	GPS (1575.42 MHz)
Impedance	50 Ohms
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)

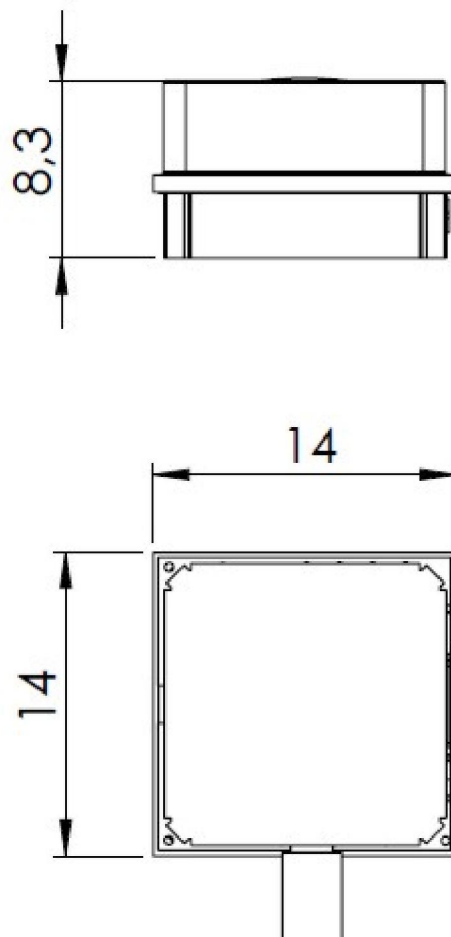
Connector type:	U.FL
Cable:	Microcoax 1.13
Cable length:	15cm

1.2.2. Optional

Suitable cables:	RG174, RG316
Cable length:	min. 15 cm
Suitable connectors:	All connectors suitable for cables above

1.3. Mechanical Specifications and Dimensions

PCB Material: FR4-UL94-V-0
Dimensions: 8.3mm x 14mm x 14mm (H x L x W)



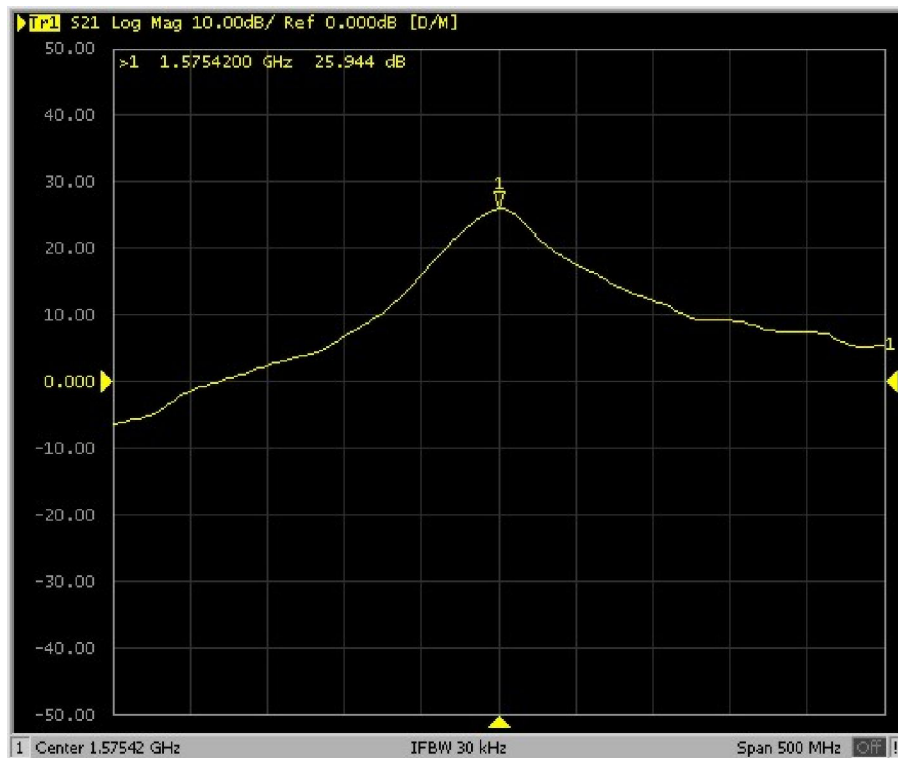
2. MEASUREMENT

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



3. ORDER INFORMATION

2J434	GPS version with shield box
2J434U	GPS version without shield box

For GPS/GLONASS version please ask our sales team