DATASHEET

Type	Combined antenna
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) GPS (1575.42 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Mounting	Magnetic Mount/Patch Mount
Part No.	**2J460MP**
Revision	00



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1. SPECIFICATION

1.1. Electrical Specifications

Navigation (Cable 1)

Frequencies	GPS (1575.42 MHz)
Impedance	50 Ohms
Polarization	RHCP
LNA Gain	32 dB typ. (5V)
Voltage supply	1.8V to 5V
Current	5mA (1.8V), 13mA (3.3V), 25mA (5V)
Power (max.)	125mW
Operating temperature	-40°C to +85°C

Mobile (Cable 2)

Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Impedance	50 Ohms
Polarization	VERTICAL
Gain	0dBi
VSWR	<2:1
Operating temperature	-40°C to +85°C

1.2. Connection Specifications

1.2.1. Default (recommended)

Cable 1 (Navigation):	
Connector type:	C20N
Cable:	RG174U
Cable length:	250 cm
Cable 2 (Mobile):	
Connector type:	C04N
Cable:	RG174U
Cable length:	250 cm

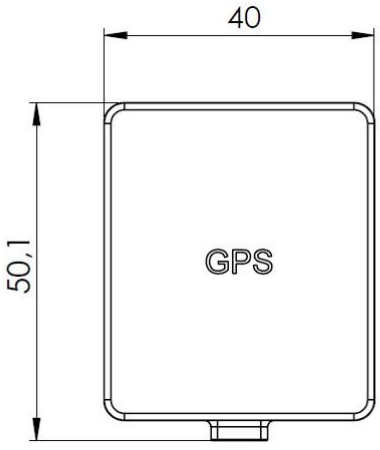
1.2.2. Optional

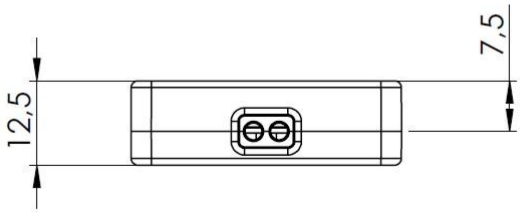
Suitable cables:	RG174, RG316
Cable length:	min. 30 cm
Suitable connectors:	All connectors suitable for cables above

1.3. Mechanical Specifications and Dimensions

1.3.1. Magnetic mount

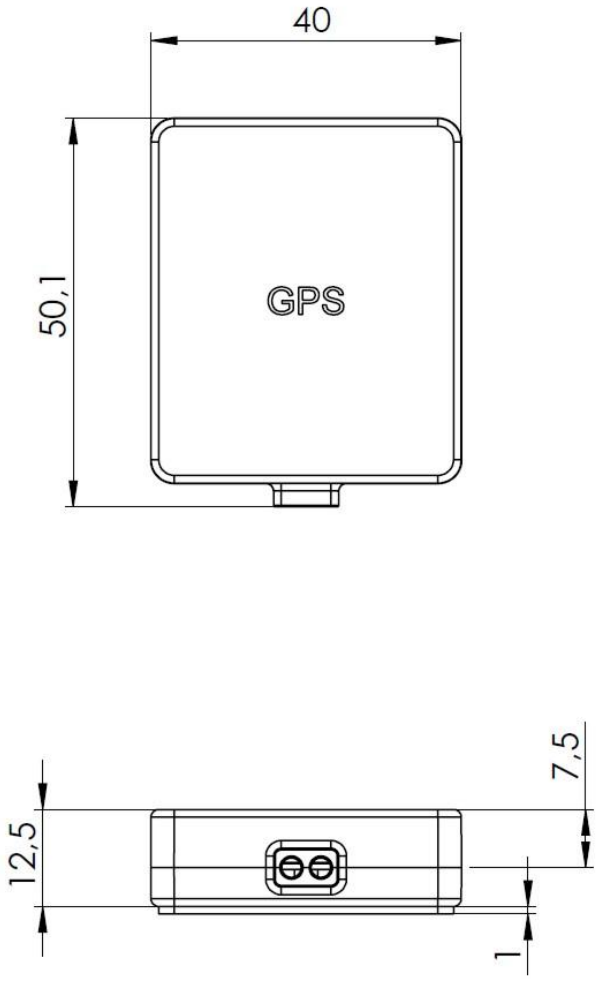
Material:	ABS
Dimensions:	12.6mm x 50.2mm x 40.2mm
Weight:	115 g ‘counted with default connection’
Colour:	Black (for different colours please ask our sales team)





1.3.2. Patch mount

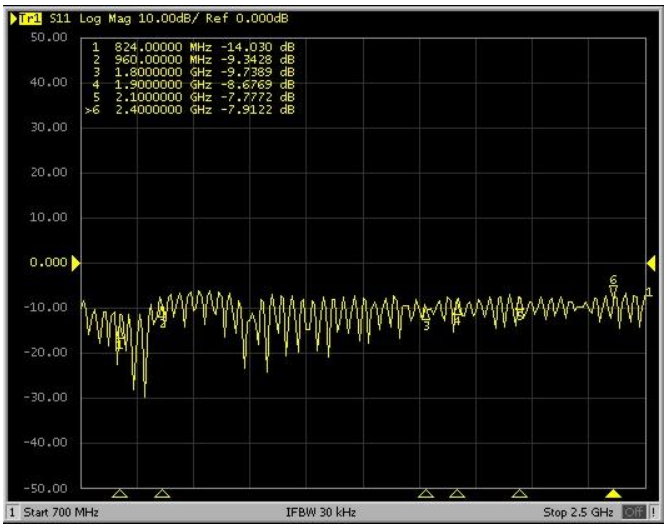
Material:	ABS
Dimensions:	13.6mm x 50.2mm x 40.2mm
Weight:	115 g ‘counted with default connection’
Colour:	Black (for different colours please ask our sales team)



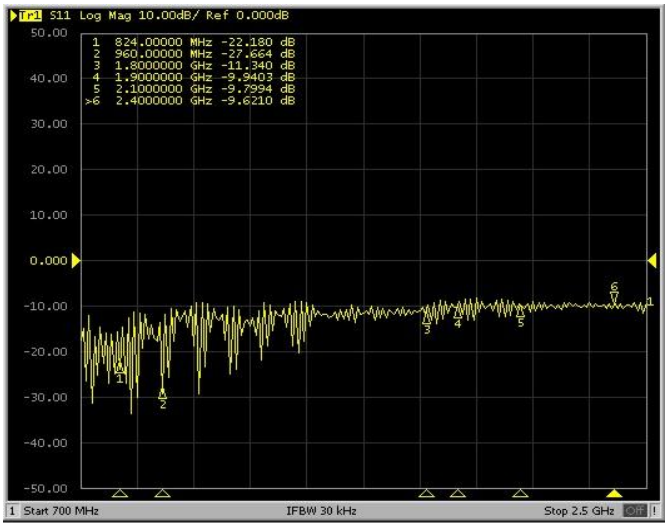
2. MEASUREMENT

Log Mag (Quad Band):

Tested with 3m cable length

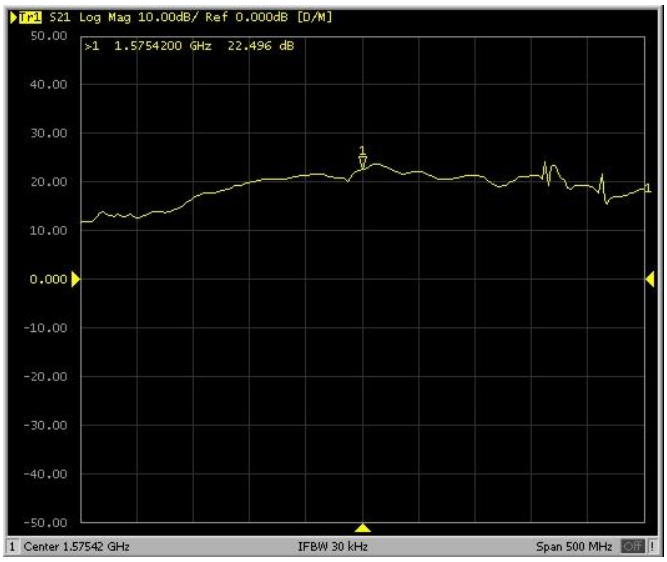


Tested with 5m cable length

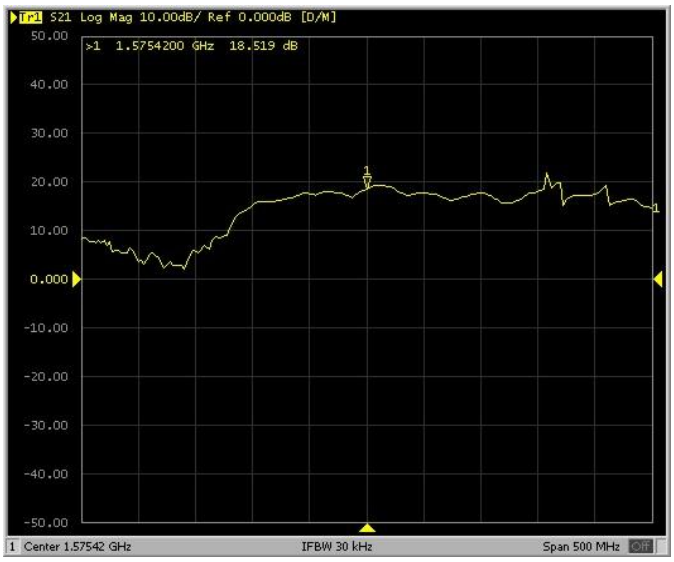


Log Mag (GNSS) at 3V:

Tested with 3m cable



Tested with 3m cable



3. IMAGES



