



PRODUCT DATASHEET

MG-412-5mSMA

Type GPS/GLONASS External Antenna
Frequencies 1575.42MHz / 1601-1610MHz
Mounting Adhesive & Magnet
Brand Name MG ANTENNAS



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1. SPECIFICATION

1.1 Electrical Specifications

Frequency	GPS 1575.42/1227.6 MHz GLONASS 1601-1610 MHz
Polarization	RHCP
Supply Current	≤25mA
Noise-Figure	1.5dB (+25°C±10°C)
Axial ratio	≤4DB
Gain LNA	28DB
Supply Voltage	3-5V
Saw Filter	Pre-Filter
VSWR	1.5 :1
Impedance	50 Ω

1.2 Mechanical and Environmental Specification

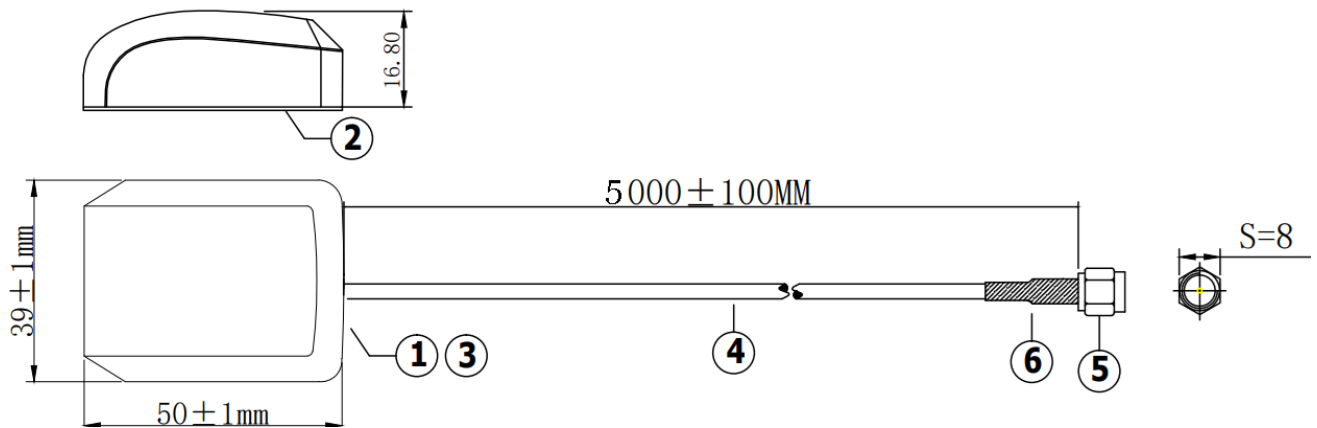
Cable (type and length)	RG174, 5m or other*
Connector	SMA male /FACRA C male Blue or other*
H.S Tube	Heat shrink tube
Housing Color	ABS Black
Mounting	3M Glue/ Magnet
Dimensions	50 x 39 x 16.8 mm
Operating/ Storage Temperature	- 40 °C ~ + 80 °C

* Customizable Cable and Connector

2. MEASUREMENT



3. DIMENSIONS



- | | | |
|---|---------------------|---------------------------------|
| ① | Antenna Patch | 25*25*4 Ceramic |
| ② | Installation method | 3M™ Double sided scotch /Magnet |
| ③ | COVER | ABS BLACK |
| ④ | CABLE | RG174 COAXIAL CABLE 50ohm BLACK |
| ⑤ | CONNECTOR | SMAJ |
| ⑥ | H.S TUBE | HEAT SHRINK TUBE |