

GNSS Round Antenna



Product Description

This product can be used as various GPS receivers navigation, GPS clock, positioning.

Part No.	Weight	Dimensions (L x W x H)	cable	installation	Connector	Color
AEGK001	47g	Φ 48*22.0mm	600mm RG174	Magnetic suction	SMA-Male	Black

OVERALL PERFORMANCE(Antenna Element, LNA & Cable)

CHARACTERISTICS	SPEC
Center Frequency	1575.42±2MHz&1561MHz±2MHz
Voltage	DC 3.0±0.3V
Current	12mA max
Gain	28dB typ
Noise Figure	2.0dB max
Bandwidth(10dB return loss)	10MHz min
Output VSWR	2.0 max
Output Impedance	50ohm
Dimensions	25mm(L)×25mm(W)×7.5mm(H) typ
Weight	10±2g(typ)
Cable	600±2mm (Φ=2.8mm)
Connector	IPEX-1

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Patch antenna

CHARACTERISTICS	SPEC
Dimensions	25mm(L)×25mm(W)×4mm(H) typ
Center Frequency	1575.42±1MHz(50mm(L)×50mm(W) Ground)
Bandwidth(10dB return loss)	10MHz min
Peak Gain	2.5dB typ
Output V.S.W.R	2.0 max
Output Impedance	50ohm
Polarization	R.H.C.P

LNA/Filter

CHARACTERISTICS	SPEC
Voltage	DC 3.0±0.3V
Current	12mA max
Center Frequency	1575.42±1MHz
Gain	27±2dB typ
Noise Figure	1.5dB max
Filter(Out of band attenuation)	SAW filter 30dB min fo±60MHz (fo=1575.42MHz)
Output V.S.W.R	2.0 max

OPERATING CONDITION

Temperature	-20℃ to +65℃
Humidity	10% to 95% RH

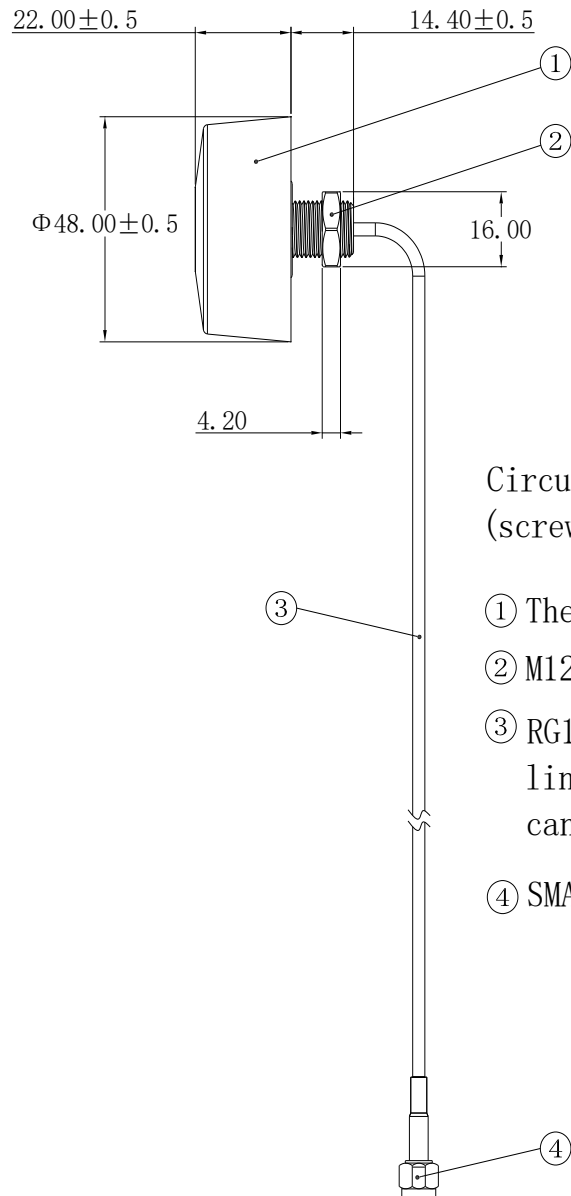
STORAGE CONDITION

Temperature	-20℃ to +70℃
Humidity	10% to 95% RH

Note

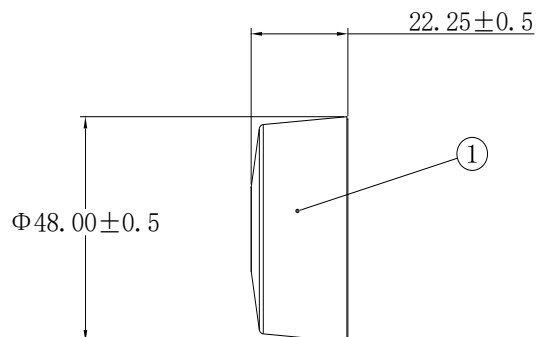
- 1、 This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.
- 2、 We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.
- 3、 The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition.
- 4、 Electrostatic sensitive device Observe precautions for handling.

HOUSING CONFIGURATIONS



Circular cabinet antenna
(screw type)

- ① The shell
- ② M12 Screws/nuts Secure
- ③ RG174 line /RG178 line (line length can be customized)
- ④ SMA-Male /RF I PLUG



Circular cabinet antenna
(Magnetic suction or
adhesive type)

① The shell

② RG174 line /RG178
line (line length
can be customized)

③ SMA-Male /RF I PLUG