

◆ Feature

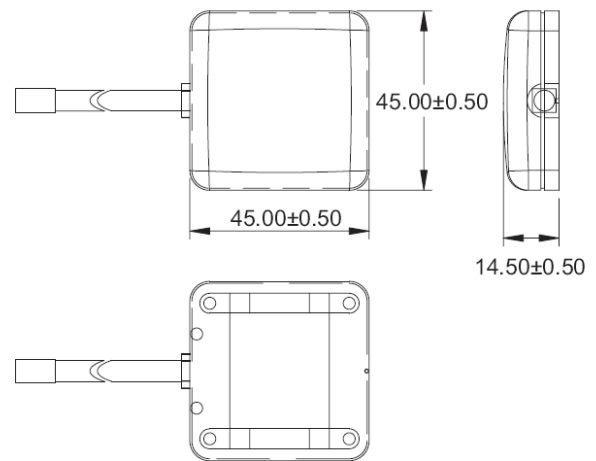
- 1.High Gain and low noise
- 2.Compact Size
- 3.Low Current Consumption
- 4.Customization available for cable length and connectors
- 5.Magnetic mounting
- 6.RoHS Compliant




◆ Application

Automobile, Marine, Aviation, Handheld Device

◆ Dimension (mm): 45×45×14.5



◆ Specification

| | | |
|---|--|--------------|
| Mechanism | Cable Type | RG-174 |
| | Cable Length | 2m, 3m, 5m |
| | Mounting Method | Magnet |
| | Connector Type | SMA & Others |
| Electrical Characteristic | | |
| Antenna Performance | | |
| Center Frequency (MHz) | 1575.42±1.023 | |
| Bandwidth (10dB return loss) (MHz) | 10 min. | |
| Gain at Zenith (dBic) | 5.0 typ. | |
| Gain at 10° Elevation (dBic) | - 1.0 min. | |
| Polarization | R.H.C.P. | |
| Impedance (Ω) | 50 typ. | |
| Axial Ratio (dB) | 3.0 typ. | |
| Test Condition | Antenna is inside the radome and measured on 70 mm x 70 mm ground plane. | |

Electrical Characteristic

| LNA Performance | | |
|----------------------------------|--|-------------------|
| Center Frequency (MHz) | 1575.42 ±1.023 | |
| Gain (dB) | 27 typ. | |
| Noise Figure (dB) | 1.5 typ. | |
| Filter Out Band Attenuation (dB) | Dielectric fo=1575.42MHz 7 typ. fo±20MHz 20 typ. fo±50MHz 30 typ. fo±100MHz | |
| V.S.W.R. | 2.0 max. | |
| Operation Voltage (V) | 5.0V | 3.3V |
| | DC =5 ±1.0 | DC =3.3 ±0.6 |
| Consumption Current (mA) | 9 typ. 12 max. | 9 typ. 12 max. |