

◆ 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

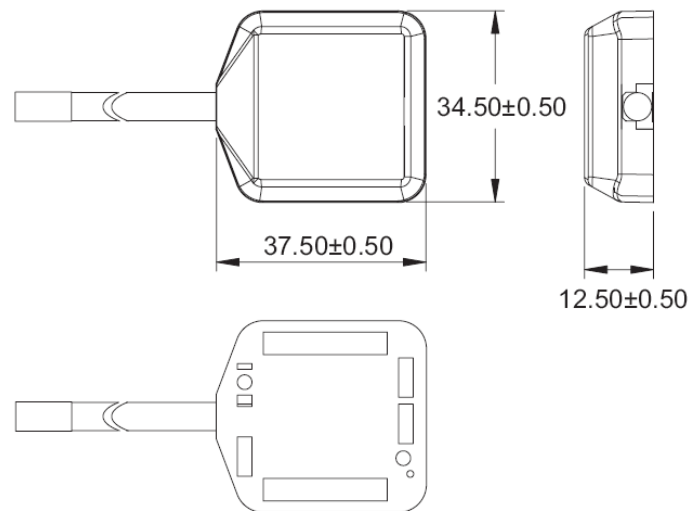
RoHS



◆ Application

Automobile, Marine, Aviation, Handheld Device

◆ Dimension (mm): 37.5×34.5×12.5



◆ 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)	5.0	3.3
	DC =5 ±1.0	DC =3.3 ±0.6
Consumption Current (mA)	12 typ. 15 max.	12 typ. 15 max.