

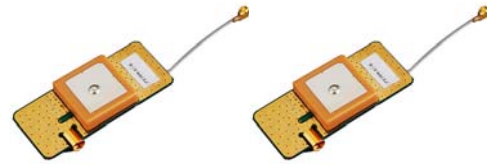
◆ Features

- 1.Low noise
- 2.Low current consumption.
- 3.Customization available for cable length and connectors
- 4.RoHS compliant

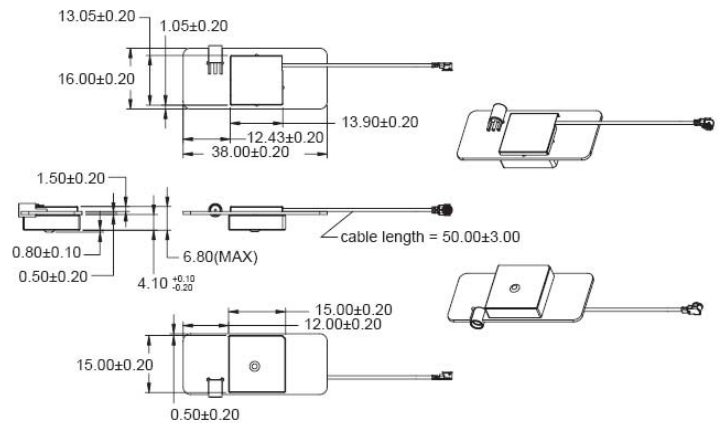


◆ Application

GPS, Navigation Device



◆ Dimensions (mm): 38×16×6.9



◆ Specifications

Specifications		
Mechanical	Cable Type	minicoaxialφ0.8
	Cable Length	50mm
	Connector Type	IPEX-I
	Color	Gray
Electrical		
Patch Performance		
Center Frequency (MHz)	1575.42±2 (when covered with a radome on LNA ground plane.)	
Bandwidth (10dB return loss) (MHz)	10 min.	
Gain at Zenith (dBic)	-1.5 typ. (for specified ground)	
Gain at Max (dBic)	—	
Gain at 10° elevation (dBic)	-2.5 typ.	
Polarization	R.H.C.P.	
Impedance (Ω)	50	
Axial Ratio	3.0dB typ. (for specified mechanical & ground)	

Electrical

LNA Performance

Center Frequency	1575.42±1.023 MHz
Gain	16±3dB typ. (DC=3.0V)
Noise Figure	1.5 dB typ. (DC=3.0V)
Filter Out Band Attenuation	SAW, 32dB min 0.1~960MHz 25dB min 1495~1515MHz 35dB min 1635~1655MHz 35dB min 1710~1750MHz 35dB min 1750~1780MHz 35dB min 1780~1785MHz 35dB min 1850~1910MHz 35dB min 1920~1980MHz
Output V.S.W.R.	2.0 max.
Voltage	3.0V DC =3.0 ±0.6V
Current	3.0V 4mA typ.

◆ Characteristics

Smith Chart

