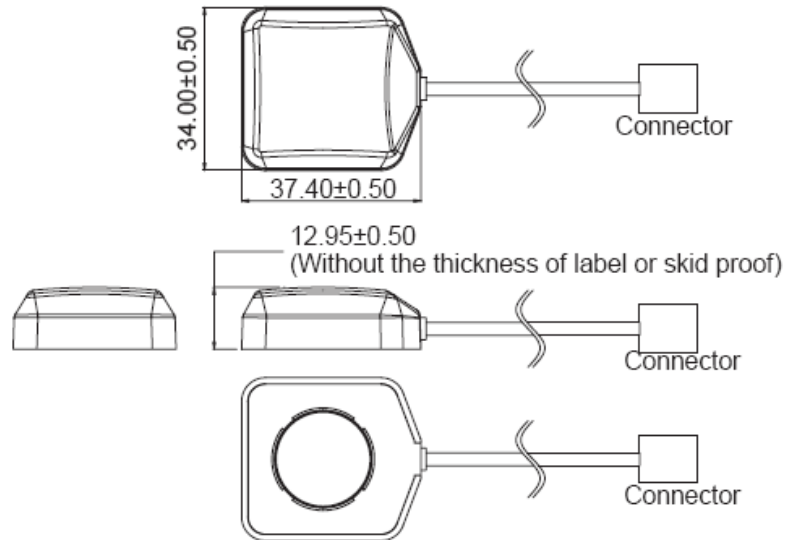


◆ Application

Automobile, Marine, Aviation, Handheld Device



◆ Dimension (mm): 37.4 × 34.0 × 12.95



◆ Specification

Mechanism	Cable Type	RG-174
	Cable Length	2m, 3m, 5m
	Mounting Method	Magnet
	Connector Type	MCX & Others
Electrical Characteristic		
Antenna Performance		
Center Frequency (MHz)	1575.42 ± 1.023	
Bandwidth (10dB return loss) (MHz)	10 min.	
Gain at Zenith (dBic)	4.0 min.	
Gain at 10° Elevation (dBic)	- 5.0 min.	
Polarization	R.H.C.P	
Impedance (Ω)	50 typ.	
Axial Ratio Elevation (90°) (dB)	4.0 max.	
Test Condition	Antenna is inside the radome and measured on 65 mm x 65 mm ground plane.	

Electrical Characteristic		
LNA Performance		
Center Frequency (MHz)	1575.42 ±1.023	
Noise Figure (dB)	2.0 typ.	
Out of Band Rejection (dB)	fo =1575.42MHz 20 typ. fo±20MHz 30 typ. fo±30MHz 30 typ. fo±50MHz 40 typ. fo±100MHz	
Impedance (Ω)	50 typ.	
V.S.W.R.	2.0 max.	
Oscillation	No Oscillation Be Found In Band and Out Band.	
ESD	Antenna Surface ±15KV, Connector Pin ±8V	
Operation Voltage (V)	5.0V	3.0V
Consumption Current (mA)	30±3 (At 5.0±0.1V)	14±3 (At 3.0±0.1V)
Gain (dB)	31±4 (At 5.0±0.1V)	28±4 (At 3.0±0.1V)
Overall Performance (Through Patch, LNA, without cable loss)		
Center Frequency (MHz)	1575.42 ±1.023	
Gain (dBic)	5.0V	3.0V
	35±6 (-40°C ~85°C)	32±6 (-40°C ~+85°C)
Consumption Current (mA)	30±3 (At 5.0V±0.1V)	14±3 (At 3.0±0.1V)
Impedance (Ω)	50 typ.	
V.S.W.R.	2.0 max.	
Test Condition	Antenna is inside the radome and measured on 65 mm x 65 mm ground plane.	