



GNSS ACTIVE MICROSTRIP ANTENNA (GPS, GLONASS, GALILEO, BEIDOU)

MAIN FEATURES:

- Magnetic mount
- Two stage LNA with filter
- RoHS Compliant
- Outdoor operation



Electrical parameters

Band (MHz)	1575.42±1.023	1598-1605
Antenna Gain (dBic)	1.9	1.8
Antenna Bandwidth (MHz)	>8	>8
S11 (dB)	<-10	<-12
Polarization	RHCP	RHCP
LNA Frequency range (MHz)	1570-1610	
LNA DC supply voltage (V)	3.3 (typical)	
LNA Current sink (mA)	9.5	
LNA Noise Figure (dB)	1.0 (typical @21°C)	
LNA Gain (dB)	28±2	26±2
Coupling @1710 MHz (dB)	<-20	<-20

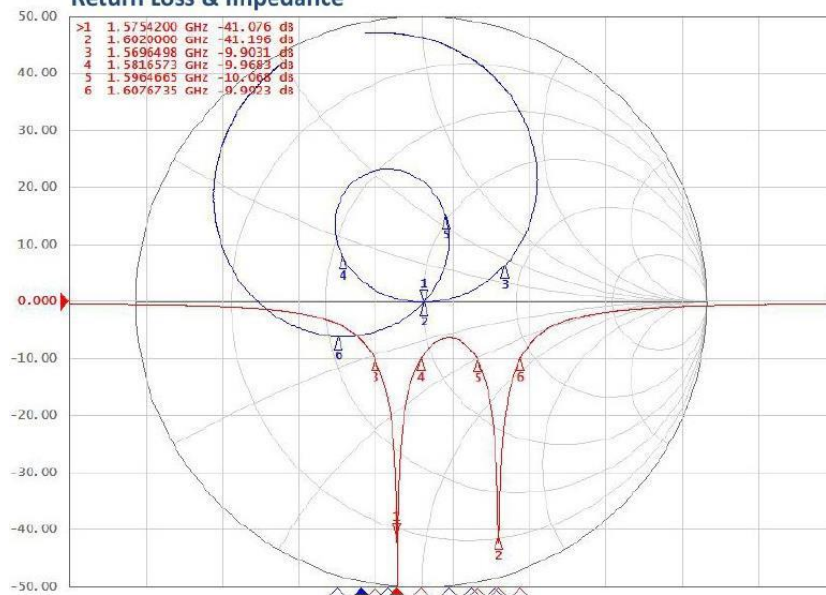
Other parameters

Dimension (mm)	34x38x12.6
Operating Temperature	-40/85 °C
Cable type	Rg174
Cable length	CUSTOM
Connector	CUSTOM

Antenna input impedance diagram

Typical Characteristics

Return Loss & Impedance



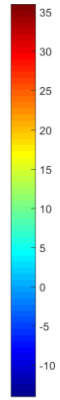
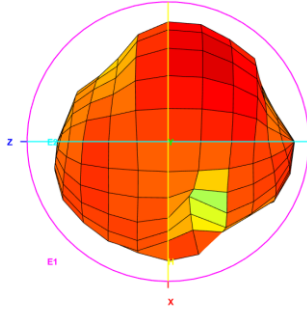
LNA transmission coefficient (@3.3 V)

LNA Gain @DC3.3V

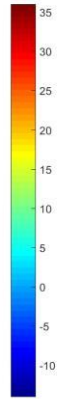
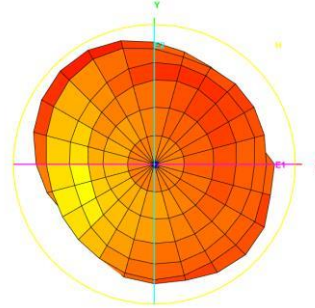


3D pattern

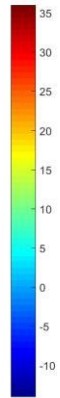
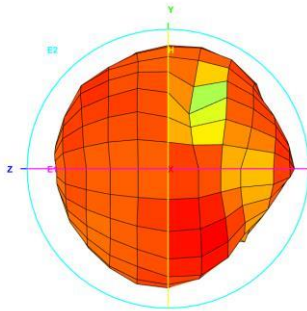
Total_3D_Top View_1.57542GHz



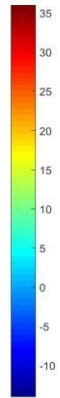
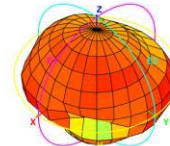
Total_3D_Front View_1.57542GHz



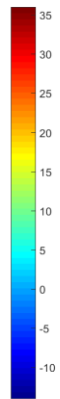
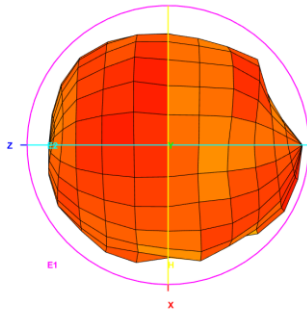
Total_3D_Left View_1.57542GHz



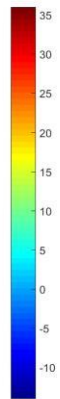
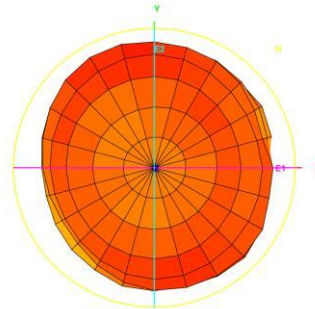
Total_3D_Side View 1_1.57542GHz



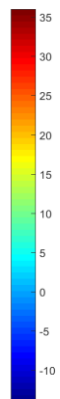
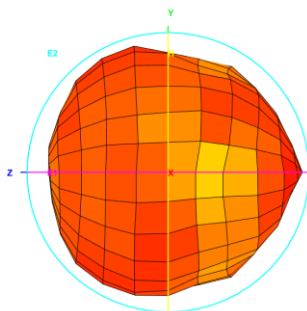
Total_3D_Top View_1.602GHz



Total_3D_Front View_1.602GHz



Total_3D_Left View_1.602GHz



Total_3D_Side View 1_1.602GHz

