

NA50 Survey multi-GNSS antenna

FEATURES

GNSS signal tracking

GPS	L1 / L2 / L5
GLONASS	L1 / L2 / L3
GALILEO	E1 / E5a / E5b / E6
BDS	B1 / B2 / B3
QZSS	L1 / L2 / L5 / L6
IRNSS	L5
SBAS	L1 / L5



NA50 : Front and bottom view

Antenna Characteristics

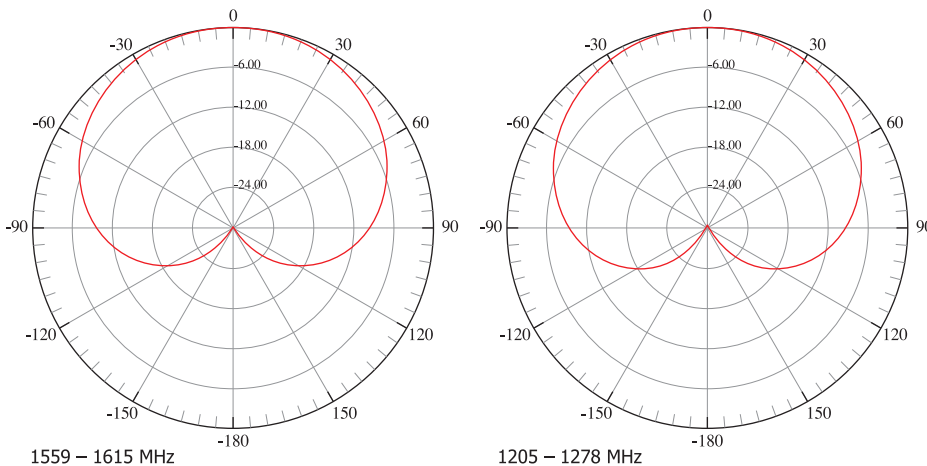
- High phase center stability
- Strong anti-interference performance
- Active GNSS antenna
- Diameter / height : 173.4 / 62.6 mm
- Weight : < 0.5 Kg
- Operating / storage temp : -40 to 85°C / -55 to 85°C
- Connector : TNC female

PERFORMANCE

Electrical

• Nominal Impedance	50 Ω	• LNA Gain	40 dB
• Polarization	RHCP	• Noise Figure	≤ 2 dB
• Axial Ratio	≤ 3 dB	• Operation Voltage	3.3 to 12 VDC
• Output VSWR	≤ 2.0	• Operation Current	≤ 45 mA
• Peak Gain	6.5 dBi	• Differential Propagation Delay	≤ 5 ns

Normalized Radiation Pattern



Antenna Phase Center

Frequency (GHz)	L1	L2
X offset (mm)	+0.3	+0.5
Y offset (mm)	+0.8	+0.3
Z offset (mm)	+57.7	+48.5