

NA100-CR

Mini choke-ring multi-GNSS antenna

FEATURES

GNSS signal tracking

- **1540-1610 MHz**
 - L1 : GPS / GLONASS / OmniStar / IRNSS
 - B1 : Beidou
 - E1 / E2 / L : Galileo / QZSS
- **1164-1254 MHz**
 - L2 / L5 : GPS/GLONASS/IRNSS
 - B2 / B3 : Beidou
 - E5 / E6 : Galileo

Antenna Characteristics

- 7inch diameter choke-ring (multipath reduction)
- Jamming / interference protection
- Active GNSS antenna
- Diameter/height : 178 / 163 mm
- Weight : 771 g
- Operating/storage temp : -55 to 85 °C / -57 to 95 °C
- Vibration : > 30 G's
- Connector : TNC female



NA100-CR : Front and bottom view

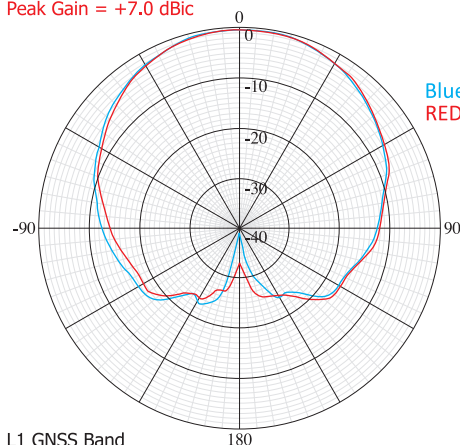
PERFORMANCE

Antenna Phase Center

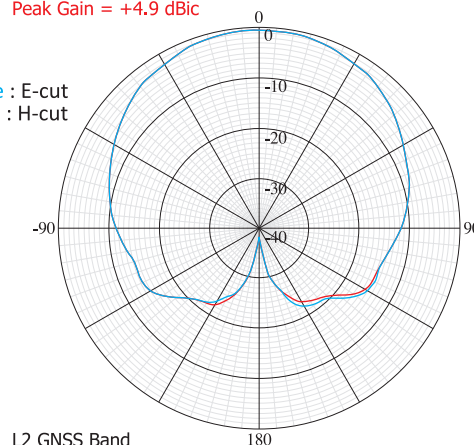
Frequency (GHz)	1.175	1.200	1.225	1.250	1.275	1.550	1.575	1.600
X offset (mm)	+0.27	-0.08	-0.30	+0.26	+0.86	0.00	+0.64	+1.30
Y offset (mm)	+2.17	+1.02	-0.14	-1.82	-2.67	+0.12	-0.58	-0.74
Z offset (mm)	+36.81	+36.81	+36.81	+36.81	+36.81	+36.81	+36.81	+36.81

Normalized Radiation Pattern

Peak Gain = +7.0 dBic



Peak Gain = +4.9 dBic



Electrical

- Polarization : RHCP
- VSWR < 2.0:1
- Impedance 50 ohms
- Beam width (3 dB) : 87 deg
- Axial ratio : 1 dB
- LNA gain : 38 dB
- LNA noise figure : 2.8 dB
- LNA P1dB out : +20 dBm
- LNA DC power : 2.5-24 Vdc @ < 56 mA
- MTBF : 1,000,000 Hrs
- Surge protection : EN61000 4-5 Level 4