



Helix Antenna for L1/L2/L5 Band

Model number: XT-GNSS-IGATHAV1-22

Product Features

- ✓ IRNSS/GPS (L1/L2/L5) band application
- ✓ Simultaneous Multiband coverage
- ✓ High Gain and Good Axial Ratio
- ✓ Excellent end-of-coverage performance

Mechanical Specifications

- ✓ Dimensions (D x H) : Dia60 mm x Height 110 mm
- ✓ Connector : SMA (F)
- ✓ Operating Temperature : -20° to 80° C
- ✓ Radome Material : -40° to +80° C
- ✓ Mounting : Screw Mounting

Technical Specifications

Electrical Specifications

Frequency

GPS	GLONASS	Galileo	BeiDou	SBAS	IRNSS	QZSS
L1/ L5	L1	E1/E5a	B1	L1/L5	L5	L1/L5

Antenna Gain at Zenith	≥ 3 ±1 dBic
Antenna Gain at EOC	≥ 0 ±0.5 dBic in all azimuth phi-75° from zenith
Propagation delay between L5 & S	≤ 5 ns
Polarization	RHCP
Front to back ratio	≥ 10 dB
Axial Ratio	< 3 dB in coverage from zenith
LNA gain	≥ 28 dB +/-2 dB
Noise Figure	≤ 2 dB
Output VSWR	≤ 2.0 within pass-band
Input Voltage	5V
Current Out of band Rejection 1 m	<120 mA
pedance	>40 dB 50 ohm

