



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/S	L1/L5
Antenna Gain at Zenith		$\geq 3 \pm 1$ dBic				
Antenna Gain at EOC		$\geq 0 \pm 0.5$ 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		< 120 mA				
band Rejection I m		> 40 dB 50				
pedance		ohm				