



IRNSS/GPS Antenna for L5/L2/L1 Bands

Model number: XT-GNSS-IGALBV3-22

Product Features

- GNSS L band application
- Simultaneous multi-band Coverage
- High Gain and Good axial ratio
- Low back lobe level

Mechanical Specifications

- ✓ Dimensions (DxH) : 140 x 17 mm
- ✓ Weight : < 0.5 KG
- ✓ Connector : TNC(F)
- ✓ Operating Temperature : -40° to 85° C

Technical Specifications

	IRNSS L5/GPS L5/E5a/SBAS L5/QZSS L5	GPS L1/B1/E1/SBAS L1/QZSS L1	IRNSS S
Frequency	1176.45 ± 20 MHz	1227.6 ± 20 MHz	1575.42 ± 40 MHz
Radiation pattern	Hemispherical		
Polarization	RHCP		
VSWR	≤ 2:1		
Impedance	50 Ohm		
Antenna Gain(dBic)			
@90°	+ 4	+ 4.2	+ 5.2
@45°	+ 0.5	+ 1.5	+ 1.7
@15°	-3	-3	-1.4
Beam-width (3dB)	90°	90°	90°
Axial Ratio	1.2 dB	1.2 dB	1.5 dB
Multipath Rejection (RHCP/LHCP) @90°	>20 dB	>20 dB	>20 dB
Front to Back Ratio	>10 dB	>10 dB	>15 dB
LNA Gain	>35 dB	>35 dB	>35 dB
Noise Figure	≤2 dB	≤2 dB	≤2 dB
LNA DC power	5V/ 90 mA		
Out of band Rejection	>40 dB		
Phase Centre	±2 mm		

