



EA35

GNSS Antenna

The EA35 covers the reception of GNSS signals such as GPS, GLONASS, Beidou, Galileo, QZSS and OminiSTAR. The EA35 has a superior phase center and mechanical center coincidence performance, antenna rotation and satellite elevation angle changes do not affect the reception of GNSS signals.

- Multi-mode dual-band GNSS antenna
- Excellent polarization axis ratio performance
- Excellent phase center performance
- Compact design

Product Specification

GNSS Performance		Power Input	
Satellite Tracked	GPS L1/L2,	Operating Voltage	3.3-15VDC
	GLONASS G1/G2/G3,	Operating Current	40mA Max
	Beidou B1/B2/B3,	Physical	
	Galileo E1/E5,	Dimensions	D146×H46mm
	L-Band, SBAS,	Weight	500g±10g
	OmniSTAR,CDGPS	RF Connector	TNC-F
Polarization	Right Hand Circular	Enclosure	Aluminum base with ASA plastic cap
Axial Ratio	2 dB Max @ Axis	Mount	5/8-11UNC-2B
Antenna Gain	GPS L1 > 6dBi	Environment	
	GPS L2 > 5dBi	Operating Temperature	-40~+85 °C
Phase Center Error	±2mm	Storage Temperature	-55~+100 °C
LNA Performance		Humidity	95% non-condensing
Frequency Bandwidth	1525 to 1615 MHz	Water/Dust Proof	IP69K
	1182 to 1278 MHz		
Characteristic Impedance	50Ω		
VSWR	≤2.0:1		
Noise Figure	2dB Max		
LNA Gain	39±2dB		
Flatness In Band	±1.5dB		
Out-of-Band Rejection	L1±200 MHz > 40dBc		
	L2±200 MHz > 50dBc		
Differential Transmission Delay	≤5nS (L1-L2)		
Antenna Transmission Delay	15nS (Typical)		

