

SA65 GNSS Antenna

Geodetic
GNSS Antenna



SA65 TECHNICAL FEATURES

Geodetic GNSS Antenna

SA65 is a compact GNSS antenna, perfect as a rover antenna but adequately performing for Monitoring applications and for CORS installation. It is able to track all constellations GPS, Glonass, Galileo, Beidou, QZSS, IRNSS and to receive the L-band correction. SA65 have high phase center stability, it effectively improves measurement accuracy and provides excellent positioning solutions. It is compatible with all GNSS geodetic receivers on the market and can be used for all static and kinematic measurement applications. The capacity to receive low elevation signals with high gain allows to provide precise and reliable position even in difficult conditions. SA65 is light, with a weighs of only 500gr it is one of the lightest in its category, therefore it can be easily installed on a pole to be connected with an external GNSS solution such as S70G.

PERFORMANCE

Satellite signals tracked	GPS: L1, L2, L5
	GLONASS: L1, L2, L3
	BEIDOU: B1, B2, B3
	GALILEO: E1, E5a, E5b, E6
	QZSS: L1/L2/L5/L6
	IRNSS: L5
	SBAS: L1, L5
	L-BAND
Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio	≤3dB
LNA Gain	40 ± 1dB
Phase Center Stability	± 2 mm
Noise Figure	≤2dB
Output/Input VSWR	≤2
Operation Voltage	3.3VDC to 12VDC
Operation Current	<45mA
Group Delay Ripple	≤5ns

MECHANICAL

Dimensions	φ152 x 62.2mm
Connector	TNC female
Mounting	BSW 5/8"
Weight	500 gr

ENVIRONMENTAL

Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Storage Temperature	-55°C to 85°C (-67°F to 185°F)
Humidity	95% non condensing
Waterproof/Dustproof	IP67

Illustrations, descriptions and technical specifications are not binding and may change

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