

## SA3G+C GNSS Antenna

High performance  
GNSS antenna



# SA3G+C TECHNICAL FEATURES

## High performance GNSS antenna

SA3G+C is a compact but high performance GNSS antenna, comparable to a Choke Ring antenna. It is able to track all constellations GPS, Glonass, Galileo and Beidou and to receive the L-band correction.

It has the same phase center for all GNSS signals by one-layer technique and a precision of  $\pm 1$ mm.

SA3G+C is compatible with all GNSS geodetic receivers on the market and can be used for all static and kinematic measurement applications. It is also an excellent solution to be used for the realization of CORS and Network GNSS.

SA3G+C is ultra light, with a weighs of only 400gr it is the lightest in its category, but at the same time it is extremely robust thanks to the IP69 and MIL-STD-810G certification.

This antenna is manufactured in Germany and it is one of the best in the world.

### PERFORMANCE

Satellite signals tracked	GPS: L1, L2, L5
	GLONASS: L1, L2, L3
	BEIDOU: B1, B2, B3
	GALILEO: E1, E2, E5a, E5b, E6
	SBAS: L1, L5
L-BAND	
Nominal Impedance	50 $\Omega$
Polarization	RHCP
Axial Ratio	$\leq 2$ dB
LNA Gain	48 $\pm$ 1dB
Phase Center Stability	$\pm 1$ mm
Noise Figure	$\leq 2$ dB
Output/Input VSWR	1.5
Operation Voltage	3.3VDC to 20VDC
Operation Current	<50mA
Group Delay Ripple	$\leq 5$ ns

### MECHANICAL

Dimensions	172 x 172 x 72mm
Connector	TNC female
Mounting	BSW 5/8"
Weight	400 gr

### ENVIRONMENTAL

Operating Temperature	-45°C to 75°C (-49°F to 167°F)
Storage Temperature	-55°C to 85°C (-67°F to 185°F)
Humidity	95% non condensing
Waterproof/Dustproof	IP69
MIL	MIL-STD-810G

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

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