

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 ± 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 |
| | QZSS: L1, L2, L5, L6 |
| | IRNSS: L5 |
| | SBAS: L1, L5 |
| L-BAND | |
| Type | Geodetic Antenna |
| Phase Center Stability | ± 1 mm |
| Nominal Impedance | 50 Ω |
| Polarization | RHCP |
| Axial Ratio | ≤ 2 dB |
| Peak Gain | 5.5dB |
| LNA Gain | 48dB (typical) |
| Noise Figure | ≤ 2 dB |
| Output/Input VSWR | 1.5 |
| Operation Voltage | 3.3VDC to 20VDC |
| Operation Current | < 50 mA |
| Group Delay Ripple | ≤ 5 ns |

MECHANICAL

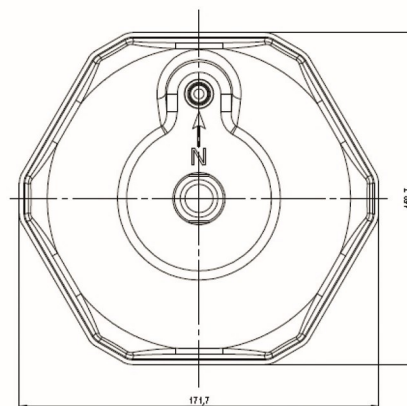
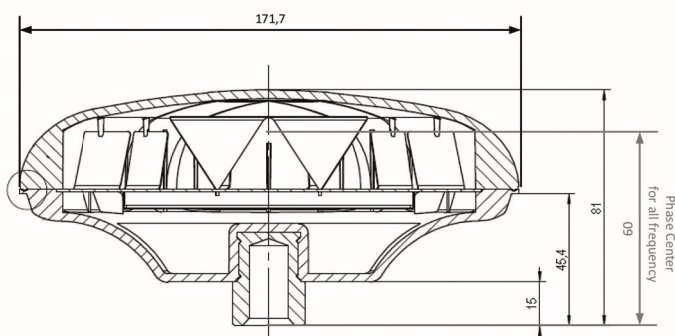
| | |
|------------|------------------|
| Dimensions | 172 x 172 x 72mm |
| Connector | TNC female |
| Mounting | BSW 5/8" |
| Weight | 400 gr |

ENVIRONMENTAL

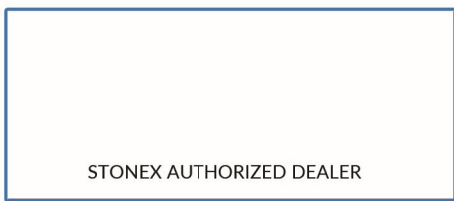
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|-----------------------|--------------------------------|
| Operating Temperature | -45°C to 75°C (-49°F to 167°F) |
| Storage Temperature | -55°C to 85°C (-67°F to 185°F) |
| Humidity | 95% non condensing |
| Waterproof/Dustproof | IP69 |
| MIL |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

CALIBRATION

| | |
|-----|-----|
| NGS | Yes |
| IGS | No |



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



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