

# Product Datasheet

## GPS+GLONASS Timing Antenna

HUBER+SUHNER GPS+GLONASS Antenna :

- Environment friendly-RoHS compliant
- Ingress Protection, IP67



### Specifications

#### GNSS Antenna overall Specification

Characteristics	Specification
Frequency Range	1560MHz~1610MHz
Zenith Gain	40 ± 3dB typ.
Output Impedance	50 ohms
Output VSWR	≤1.5
Operation Voltage	2.7~10V
Current	<25 mA
Ex-band Rejection	50dB typ@CF±50MHZ
Output Connector	N-female

#### GNSS LNA Specification

Characteristics	Specification
Frequency Range	1560MHz~1610MHz
Gain	38 dB ± 3dB typ.
Noise Figure	<2.5 dB
Output V.S.W.R	<1.5
Operation Voltage	2.7~10 V
Current	<25 mA

#### GNSS Patch Antenna Specification

Characteristics	Specification
Frequency Range	1560MHz – 1610MHz
Center Frequency	1575.42MHz ± 3MHz & 1602 MHz ± 3MHz
Bandwidth (10dB return loss)	50 MHz
Zenith Gain (on 100*100mm ground)	5.0 dBic typ.
Polarization	R.H.C.P.
Axial ratio	4dB @90°, 6dB @20°
Dimension	25*25*6mm

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS [www.hubersuhner.com](http://www.hubersuhner.com)

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## GPS+GLONASS Timing Antenna

### Environmental Characteristics

Parameter	Specification
Operating Temperature	-40 to +85°C
Storage temperature	-55 to +85°C
Recommended Storage condition	Store in room condition as listed below: Temperature -20°C ~ +45°C, Humidity 80% Max.
IP Rating	IP67
ESD	15KV air discharge
Operating condition	Outdoor application
Shock	Vertical axis 50G, other axis 30G
Vibration	3 axis, 10 to 200Hz sweep 15min, 3G
Salt Fog/Spray	MIL-STD-810F Sec 509.4

### Mechanical Characteristics

Parameter	Specification
Radome material	ASA – UV stabilized
Base material	Zamak metal – electroplated
Colour	White
Dimensions	Φ66.5×77.7mm
Weight	0.2KG approx.
Mounting	Screw on