

# Outdoor L1 GPS antenna

Type: AS/SA-200

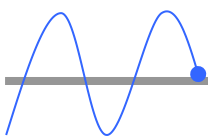


## Features:

- Powerful L1 antenna for good GPS signal reception
- Integrated Low-Noise-Amplifier (LNA)
- Cost effective and ruggedized antenna for outdoor applications

## Description:

This ruggedized receiving antenna is designed for many stationary applications, e.g. for installation on buildings or at the navy. Signal reception is ensured even under harsh conditions. The antenna gain is 5 dBi@Zenith, the total output incl. cable loss adds up to 27(!) dB while using 10m RG58 cable. Even more output is possible if using our special HF cable types. The high quality antenna socket made from stainless steel is included in scope of delivery.



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## Technical Data:

Frequency:	L1: 1575.42 MHz ± 1.023 MHz
Radiation Pattern:	Hemispherical
Polarization:	RHCP (Right Handed Circular Polarization)
Bandwith:	20 MHz min.
Gain:	28 dB typ. (antenna with LNA)
Antenna gain:	5 dBi @Zenith
Axial Ratio:	Max. 3 dB
Rejection:	20 dB (@ -50 MHz / + 50 MHz)
LNA Noise Figure:	2 dB
VWSR Output	Max. 1.5 : 1
Power Supply:	4 – 6 Volt DC
Current Consumption:	28mA +/- 3mA
Impedance:	50 Ohm
Weight:	ca. 220g (without stainless steel feet), 390 g (with feet)
Environmental conditions:	100% water proof, dust-proof
Temperature Range:	-30 ° C ~ + 75 ° C

## Options:

Frequency:	L1
Connector types:	TNC-f
Connector positions:	bottom side (center)
Colors:	White
Mounting options	Antenna socket (AH-01) // see datasheet for details
Dimensions:	110 (∅) x 70 (H) mm
Lightning Protection	DC Grounding