
GPS & GLONASS ANTENNA

- **GNSS active Antenna**
- **GPS & Glonass**
- **27 dB Gain**
- **2.65 – 6 V**
- **Wide temperature range**

ADA-C100 is a GPS & GLONASS antenna. It's an active antenna designed to operate at the frequency of 1575.42MHz and 1602 MHz

ADA-C100 is optimized to receive right-hand-circular-polarized signals and have integrated LNA. The antenna can be fixed to a pole with the optional mounting base.

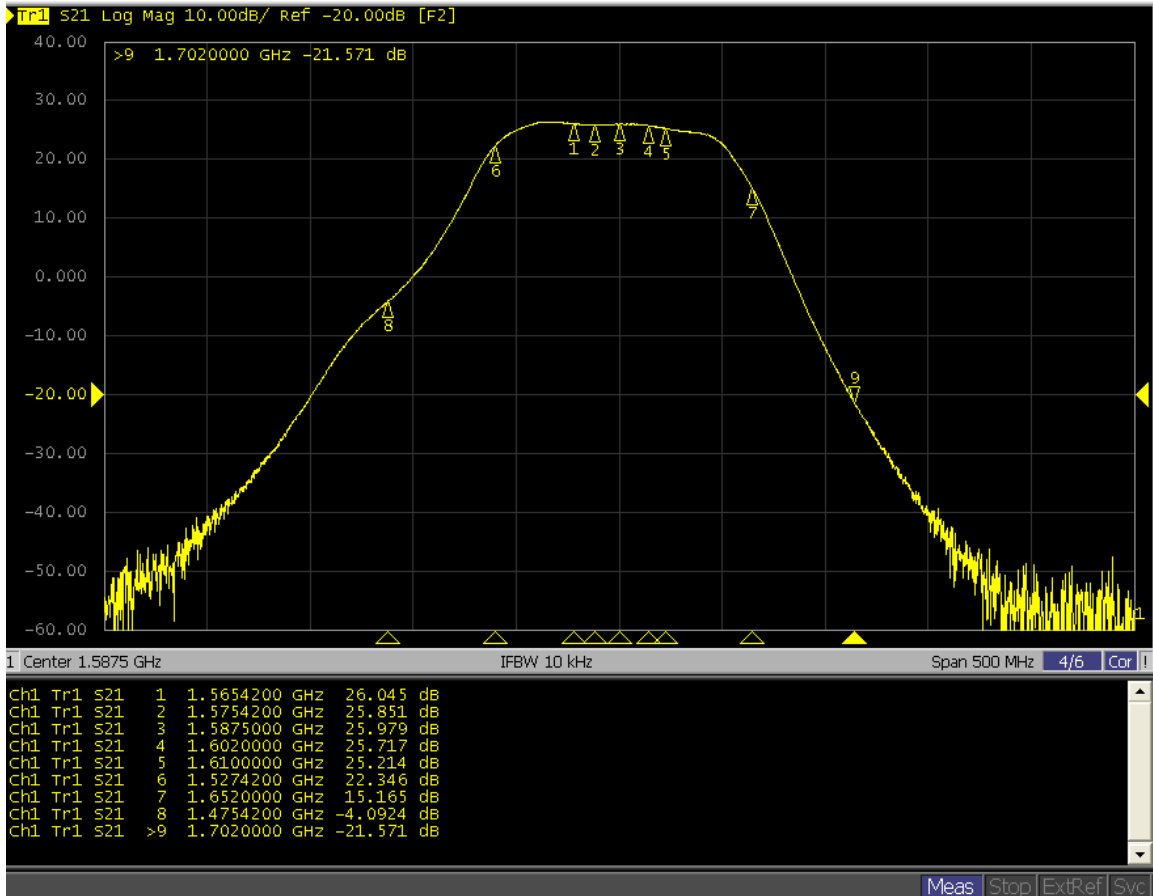
The antenna can be shipped with a fixed/detachable RF cable and connector. Different connectors can be ordered.



RoHS

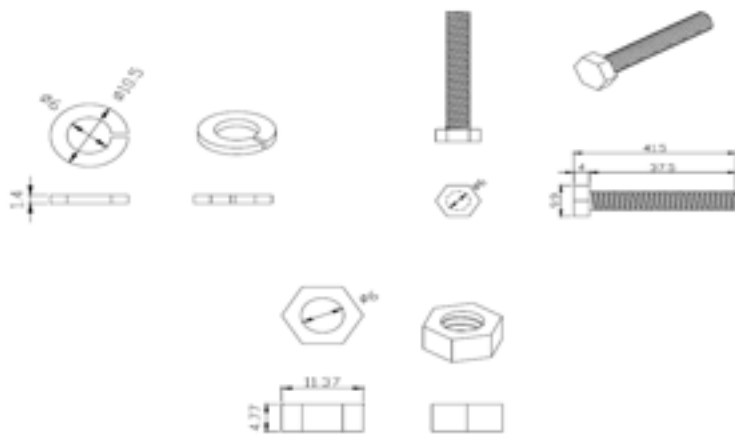
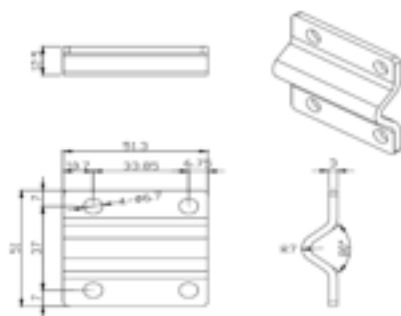
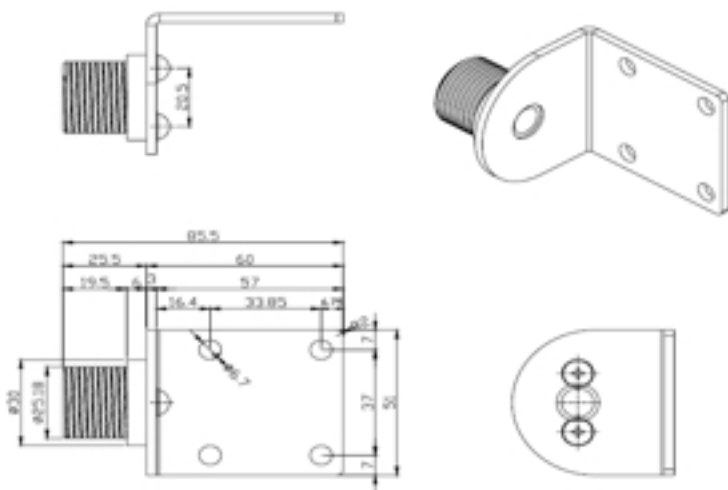
Specification

Category	Antenna
Frequency	1572.42±10MHz & 1602±8MHz
Polarization	R.H.C.P.
Gain	4 dBic min / 1575.42 MHz 2.5 dBic min / 1602 MHz
Axel Ratio	3dBic (at Elevation 90° Zenith)
	LNA
Frequency	1572.42±10MHz & 1602±8MHz
Gain (excluding Cable)	1575.42MHz: 23 dB Typ.(+ 25 °C± 5°C) 1602MHz: 23 dB Typ.(+ 25 °C± 5°C)
Noise Figure	2.0 dB Typ. (+ 25 °C ± 5°C) 2.6 dB Max. (+ 85 °C)
Output Impedance	50 Ω
VSWR	2.0 Max
	Total Specification
Frequency	1587.42 ± 10MHz, 1602 ± 8MHz
Gain	1575.42MHz: 27 dB±3dBic 1602MHz: 25.5 dB±3dBic
Output Impedance	50 Ω
Output VSWR	2.0 max
	Environmental
Supply Voltage	2.65 - 6.0 VDC
Current consumption	20 mA @ 5 VDC
Operating temperature	-40 — +85 ° C
Storage temperature	-40 — +85 ° C



LNA Gain and Out of Band Rejection @3.0V





Ordering codes

TYPE	Description	Comment
ADA-C100	GPS & GLONASS antenna	1575 - 1610 MHz antenna

For the latest updates, visit our Web site: www.adactus.se

Disclaimer

Information furnished is believed to be accurate and reliable. However, Adactus assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. Adactus reserves the right to make changes without further notice to any product herein to improve reliability, function or design. Adactus does not assume any liability arising out of the application or use of any product described herein.

This publication supersedes and replaces all information previously supplied. Adactus products are not authorised as critical components in life support devices or systems.