ADA-A101-C

GPS + Glonass Puck Antenna

- **High Efficiency LNA**
- **GPS + Glonass Antenna**
- **Outdoor use**
- **Center Bolt mount**

ADA-A101-S is designed for GPS and Glonass navigational applications, where outside mounting is preferred. The antenna has a small foot print and can withstand high winds and wet environment.

RoHS

Specification

Antenna	Specification
Frequency	1575.42 ± 10MHz +1602MHz ± 8MHz
Patch Dimension	25mm x 25mm x 4mm
Gain	+1.0 dBic typ, Ref to 70 x70mm ground plane
Polarazation	RHCP
Axel Ratio	3.0dB Max, Ref. to 70 x70mm Graound Plane
	LNA
Frequency Range	1575.42 ± 10MHz; 1602MHz ± 8MHz
Gain	1575.42MHz, 26dBic Typ. 1602MHz, 26dBic Typ.
Noise Figure	1.5dBic Typ. 2.6dBic Max @ 25℃±5℃ @3.0VDC
Output Impedance	50Ω
Output VSWR	2.0 Max
Out of Band Rejection	1587.5MHz ± 140MHz, 15dB Min
	Total Specification
Frequency Range	1575.42 ± 10MHz +1602MHz ± 8MHz
Gain	29dBic ± 3dBic
Output Impedance	50Ω
VSWR	2.0 Max
	Electrical Specification
Operating Voltage	Min: 2.5 V Typ: 3.0 V Max:5.5 V
Current Consumption	Typ: 13 mA Max: 18mA @ 5.0V
	Environmental Cond.
Operating Temperature	-40℃ to + 85℃
Storage Temperture	-40℃ to + 85℃
Relative Humidity	40% to 95%

	Mechanical Specification
RF Cable	Standard 3 m RG174/U with standard connector
RF Connector	SMA
Antenna Size	⌀52mm x 24mm, Bolt ⌀12mm x 20mm
Weight	60g + Cable.
Mounting	Center Bolt
Water proof	Under Water 50cm, 30min max
Shock	10 msec. Half Sine Wave
Vibration	10~200Hz Log. Sweep 3.0G sweep time: 15 Minutes, 3 Axes
Cable Pulling Off Force	Min 7kg/10sec, no visible damage.
Bending Test	Min 90 Degree left and right 1000 cycles, no damage.

Ordering codes

TYPE	Description	Comment
ADA-A101-C	GPS + Glonass Puck Antenna	Center Bolt Puck Antenna

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