
GPS High Gain Puck Antenna

- **High Efficiency**
- **Dual LNA**
- **High Gain GPS Antenna**
- **Outdoor use**
- **Center Bolt Mount**

ADA-A720-C is designed for GPS navigational applications, where outside mounting is preferred. The antenna has a small foot print and can withstand vandalism.

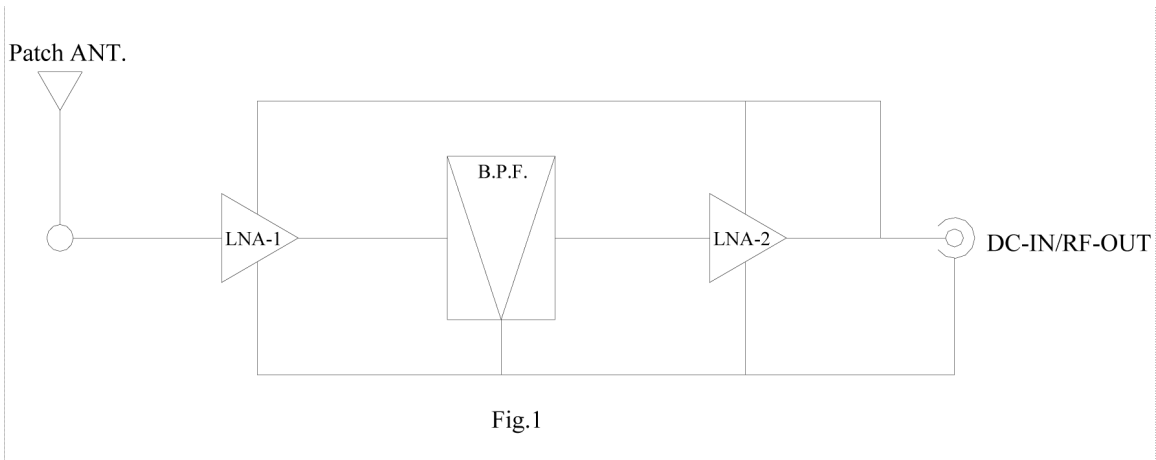


RoHS

Specification

Antenna	Specification
Frequency	1575.42 ± 1.023MHz
Antenna Dimension	25mm x 25mm x 4mm
Gain	+5.0 dBi typ, at Zenith, Ref to 70 x70mm ground plane
Polarazation	RHCP
Axel Ratio	3.0dB Max, Ref. to 70 x70mm Ground Plane
	LNA
Frequency Range	1575.42 ± 1.023MHz
Gain	1575.42MHz, 28dB Typ.
Noise Figure	1.6dB Max @ 25°C±5°C @3.0VDC
Output Impedance	50Ω
	Total Specification
Frequency Range	1575.42 ± 1.023MHz
Gain	35dBi Max, Ref. to 70 x70mm Ground Plane
Output Impedance	50Ω
VSWR	2.0 Max
RF Cable	RG174 , ∅2.7 ± 0.1mm , 3m
RF Connector	SMA (M)
	Electrical Specification
Operating Voltage	Min: 2.5 V Typ: 3.0 V Max:5.5 V
Current Consumption	Typ: 11 mA Max: 15mA @ 3.0V
	Environmental Conditions
Operating Temperature	-40°C to + 85°C
Storage Temperture	-40°C to + 85°C
Relative Humidity	40% to 95%

	Mechanical Specification
RF Cable	Standard 3m RG174/U with standard connector
RF Connector	SMA
Size	∅52mm x 24mm, Bolt ∅12mm x 20mm
Weight	100g Max.
Mounting	Center Bolt mount.
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-A720-C	GPS High Gain Puck Antenna	Center Bolt Mount Puck Antenna

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