
SMT GPS Active Patch Antenna

- Very small patch 10mm
- SMT mount
- High performance
- 15 dB LNA
- Low power consumption

ADA-10RA-22 is a super compact, SMT easy mount, high performance active GPS antenna module. It's unique in it's kind and specially designed for small integrated devices and low cost production creating high yield.

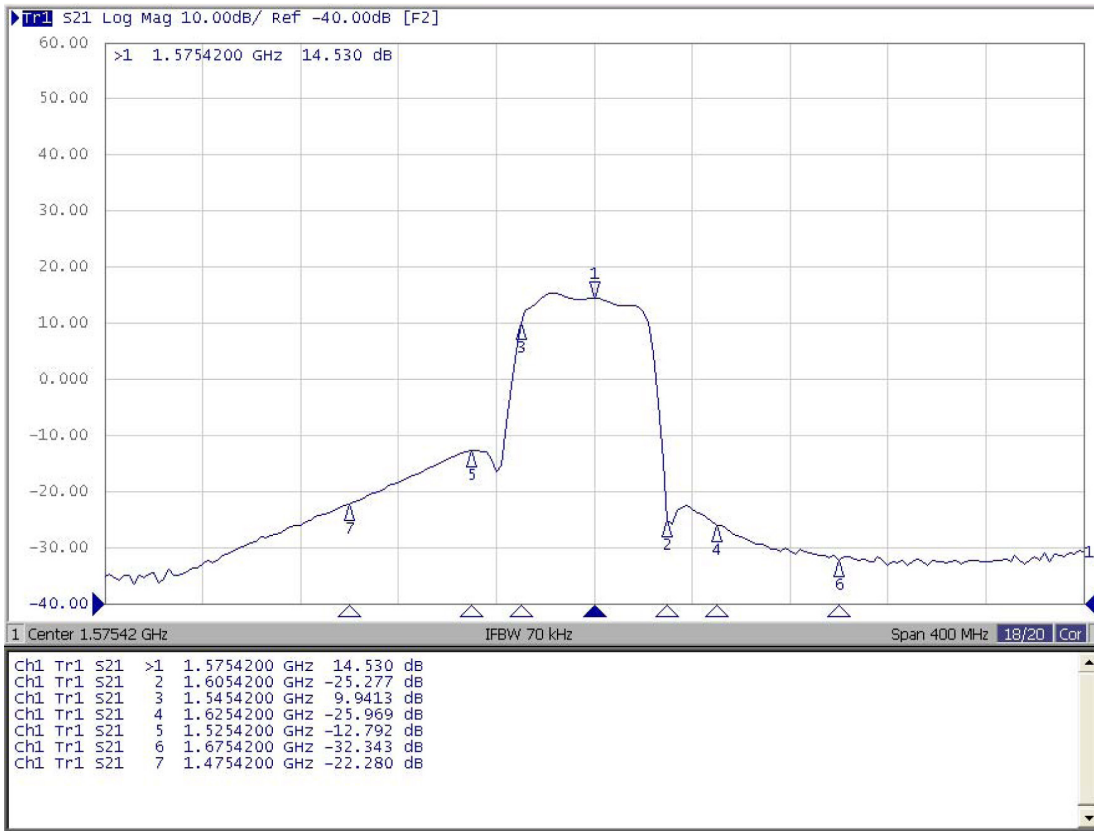


RoHS

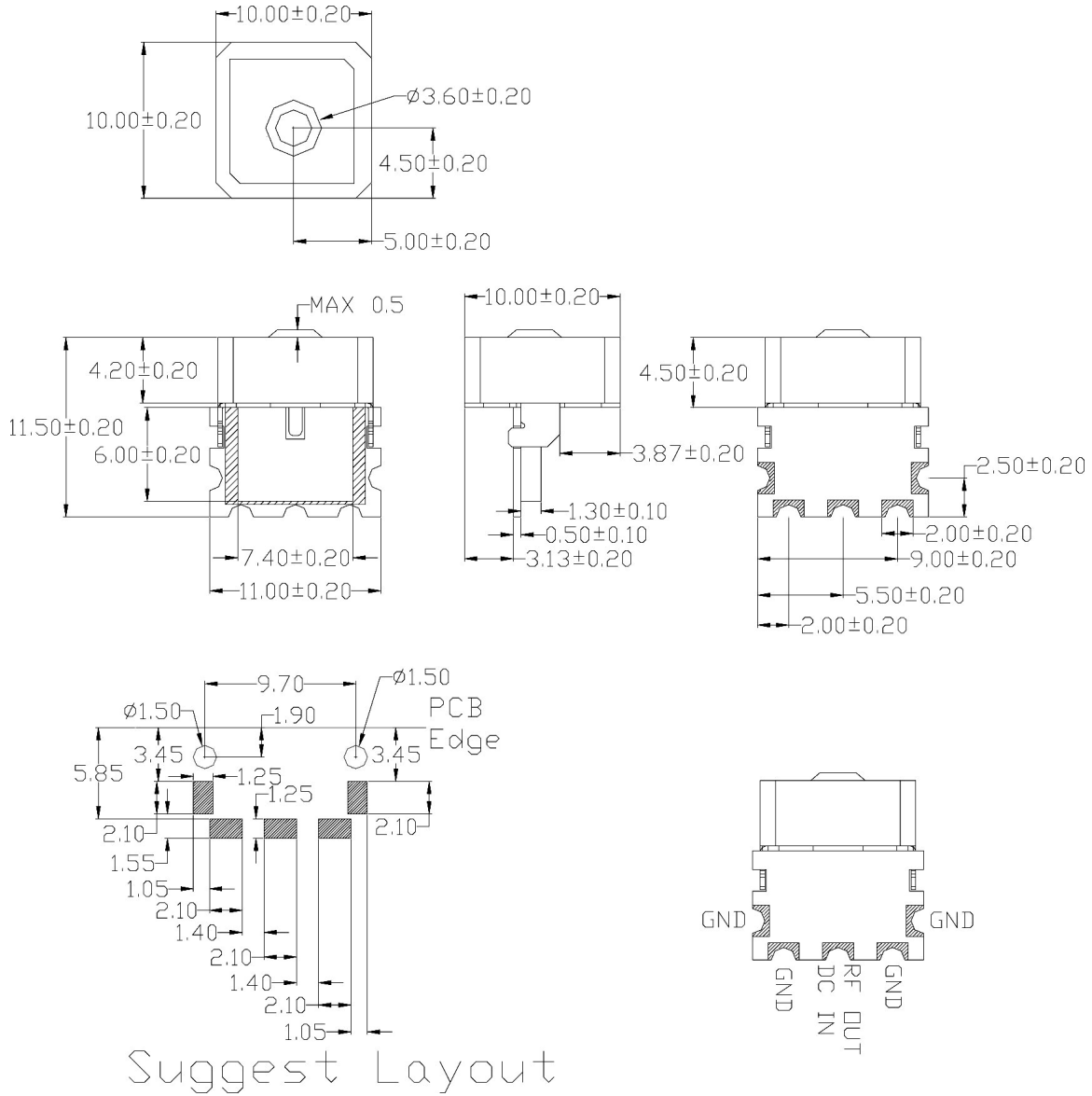
Specification

Category	GPS
Frequency	1575.42 ± 1.023 MHz
Polarization	R.H.C.P.
Antenna Gain	Typ. -3 dBic
Bandwidth	3 MHz min @S11-10 dB.
Antenna Dimensions	10 x 10 x 4 mm
	LNA
Supply Voltage	1.8 VDC - 3.0 VDC - 5.5 VDC
Power consumption	2 mA - 4.6 mA - 10mA
Total Gain	12 dB - 14dB - 15dB
Impedance	50 Ω
V.S.W.R	< 2.0 : 1
	Overall Performance
Frequency Range	1575.42 ± 1.023 MHz
Gain	11 ± 4dBic @ Zenith
Output Impedance	50 Ω
Output V.S.W.R	2.0 Max
GPS part size	10 x 10 x 11.50 mm
Weight	25 ± 0.5 grams
Mounting	SMT
Operating temperature	-40 — +85 ° C
Storage temperature	-40 — +105 ° C

LNA Gain and Out Band Rejection @ 3.0V



OUTLINE



Ordering codes

TYPE	Description	Comment
ADA-10RA-22	SMT GPS Antenna	GPS antenna module

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