GPS Active Internal Patch

APAM1368YB13V3.0

RoHS/RoHS II compliant

MSL level: N/A 13.0 x 13.0 x

13.0 x 13.0 x 6.8mm

FEATURES:

- Compact Size
- Easy to Install
- RoHS Compliant

▼ TYPICAL APPLICATIONS:

- Automotive Navigation, Marine buoys
- Personal Tracking
- Surveying equipment, Cell phone, Laptop
- Healthcare and medical monitoring devices, PND, PDA

> STANDARD SPECIFICATIONS:

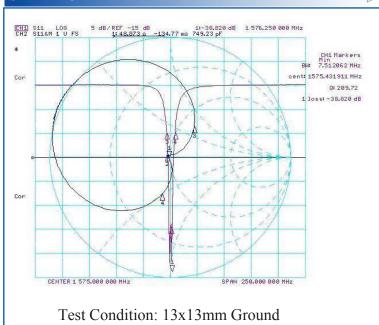
Antenna

Parameters	Min.	Тур.	Ma	ax.	Units	Note
Center Frequency	157	1575.42±1.02			MHz	
Bandwidth	5				MHz	
Gain		1.0			dBic	(Peak gain on70*70mm Ground Plane facing Zenith.)
VSWR @ Center Frequency		1.5				
Polarization Model		RHCP				(Right Hand Circular Polarization)
Impedance		50			Ω	
Working Temperature	-25			+72	°C	
Storage Temperature	-45			+85	°C	

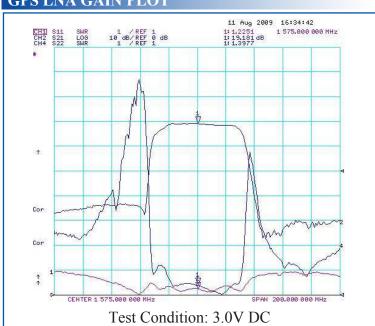
Low Noise Amplifier (LNA)

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency	1575.42 ± 1.02			MHz	
DC Voltage	2.70		3.30	V	
Gain		19		dB	(Without cable +25°C± 10°C)
Output VSWR		1.5			
Noise Figure		1.3			(+25°C± 10°C)
DC current		3.5		mA	(At 3.0V)

SMITH CHART



◯ GPS LNA GAIN PLOT





5101 Hidden Creek Lane Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sale please visit: www.abracon.com REVISED: 08.03.2018

ABRACON IS ISO9001-2015 CERTIFIED

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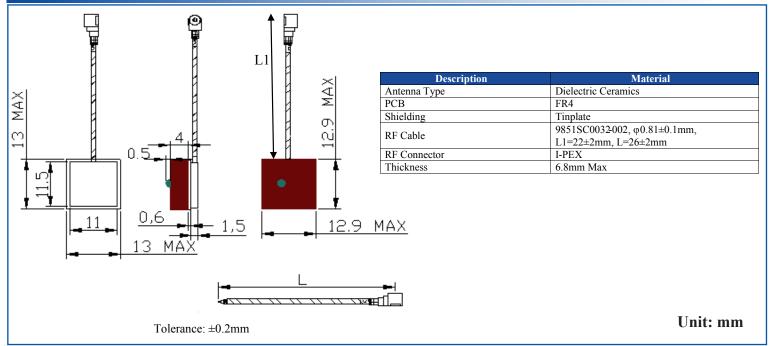
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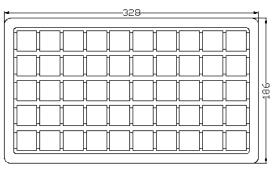
MSL level: N/A

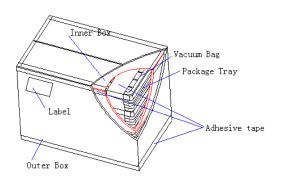
OUTLINE DIMENSION:

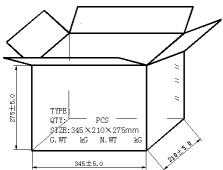


PACKAGING

Package Type	Quantity
MOQ	250 pcs
Tray	50 pcs/tray
Vacuum	5 trays per Vacuum bag (250pcs per bag)
Outer Box	4 bags = 1000 pcs/carton







The GPS antenna 50 pcs are packed per tray, 5 trays are packed per vacuum bag, 4 vacuum bags per carton, and 1000 pcs GPS antenna per carton. The size of each carton is 345*210*275mm.

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