# APAM1068JL01V2.0

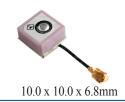
#### **FEATURES**:

- Compact Size
- Easy to Install
- RoHS Compliant

### **STANDARD SPECIFICATIONS:**

#### Antenna





## MSL level: IV

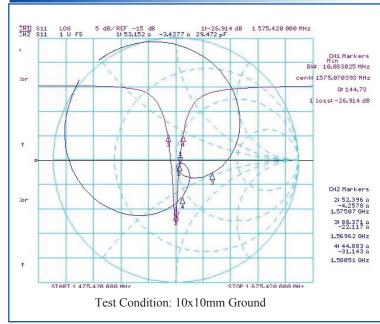
- **TYPICAL APPLICATIONS:** 
  - Automotive Navigation, Marine buoys,
  - Personal Tracking
  - Surveying equipment, Cell phone, Laptop,
  - · Healthcare and medical monitoring devices, PND, PDA

Parameters	Min.	Тур.	Max.	Units	Note
Center Frequency	157	1575.42±1.02		MHz	
Bandwidth	3			MHz	
Gain		-2.0		dBic	(Peak gain on 70*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	

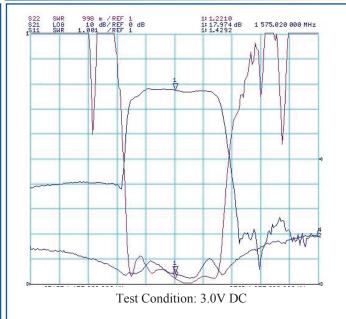
#### Low Noise Amplifier (LNA)

Parameters	Min.	Тур.	Max.	Units	Note
Center Frequency	1575.42±1.02		MHz		
DC Voltage	2.70		3.30	V	
Gain		18		dB	(Without cable $+25^{\circ}C \pm 10^{\circ}C$ )
Output VSWR		2.0			
Noise Figure		2.0			(+25°C± 10°C)
DC current		3.5		mA	(At 3.0V)

#### **SMITH CHART**



### **GPS LNA GAIN PLOT**





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#### REVISED: 08.03.2018

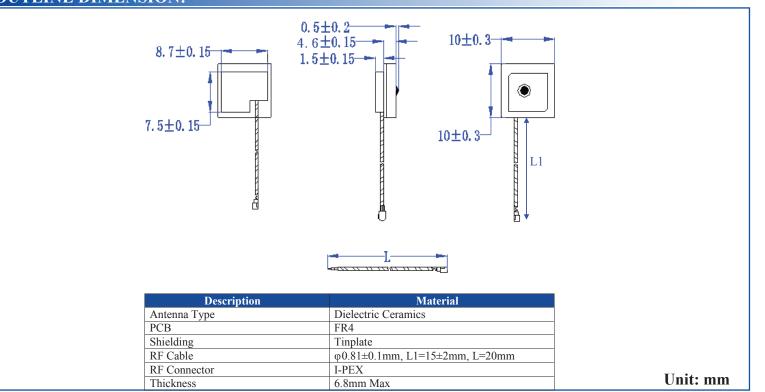


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### **OUTLINE <u>DIMENSION:</u>**

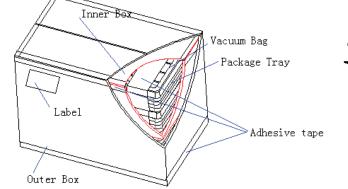
**RoHS/RoHS II compliant** 

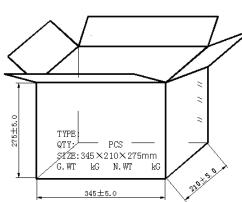




#### **PACKAGING:**

Package Type	Quantity		
Tray	50 pcs/tray		
Vacuum Bag	200pcs/box		
Outer Box	1000 pcs/box		





ATTENTION: Abracon LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon LLC is required. Please contact Abracon LLC for more information.



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REVI	SED:	08.03.	2018
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	CER	TIFIED	