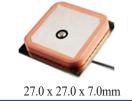
GPS Active Internal Patch

APAM2764YK0175

RoHS/RoHS II compliant



MSL level: Not Applicable

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:

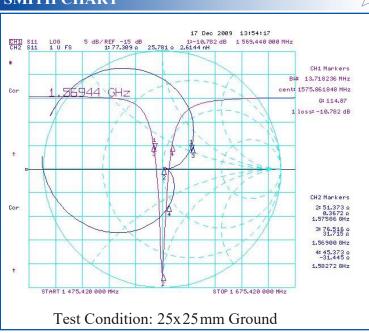
Antenna

Parameters	Min.	Тур.	N	Aax.	Units	Note
Center Frequency	1575.42±1.02				MHz	
Bandwidth	5				MHz	
Gain		2.5			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	
Frequency Temperature Coefficient	-10			10	ppm/°C	
Working Temperature	-25			+72	°C	
Storage Temperature	-45			+85	°C	

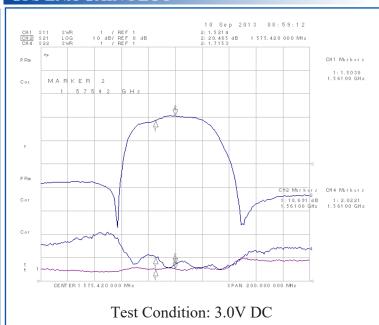
Low Noise Amplifier (LNA)

1						
Parameters	Min.	Тур.	Max.	Units	Note	
Center Frequency	157	1575.42±1.02				
DC Voltage	2.7		3.3	V		
Gain		28		dB	(Without cable +25°C± 10°C)	
Output VSWR			2.0			
Noise Figure		1.3			(+25°C± 10°C)	
DC current		9.8		mA	(At 3.0V)	

SMITH CHART



◯ GPS LNA GAIN PLOT

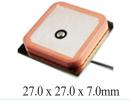




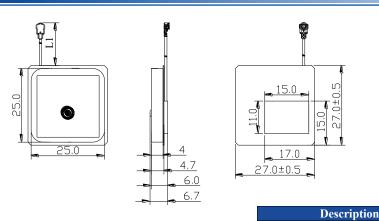
GPS Active Internal Patch

APAM2764YK0175

RoHS/RoHS II compliant



OUTLINE DIMENSION:



Antenna Type **PCB** Shielding RF Cable RF Connector Tolerance: ±0.2mm

Thickness

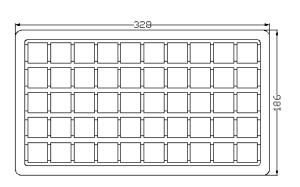
Unit: mm

Material

9851SC0032-002, φ1.13±0.1mm, L=50mm, L1=36mm

PACKAGING

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



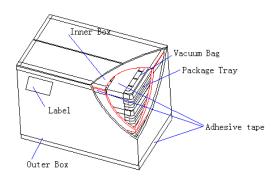
Dielectric Ceramics

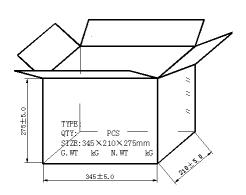
FR4

Tinplate

7.0mm (Max)

I-PEX





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.

