

1575.42MHz/1598~1606MHz, 13 x 13 x 5mm

# GPS+GLONASS Patch Antenna



13.0 x 13.0 x 5.0mm

## APAE1590R1350AKDB5-T

RoHS/ RoHS II compliant.

This product is RoHS compliant  
Pb in ceramic (exempt per RoHS 2002/95/EC Annex (7)).

MSL level: Not Applicable

### FEATURES:

- High Gain
- Compact Size and Low Profile
- Pin type
- RoHS Compliance

### TYPICAL APPLICATIONS:

Automotive navigation, Marine buoys, Surveying equipment, Healthcare and medical monitoring devices, Cell phone, Laptop, PND, PDA

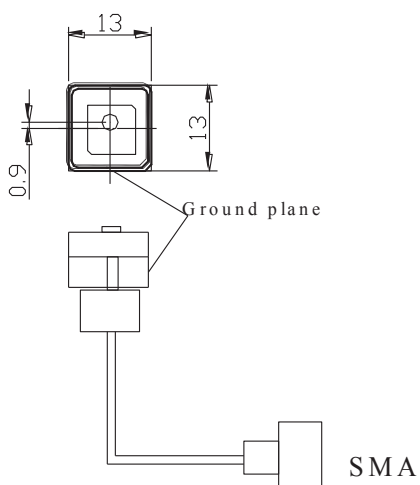
### STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency @ -10dB bandwidth <sup>(*)</sup>	GPS	1575.42		MHz	(with adhesive tape on 13x13mm ground plane)
	GLONASS	1598~1606			
RHCP Gain at Zenith 1575MHz		-2		dBic	(on 50× 50mm ground plane)
RHCP Gain at Zenith 1598~1606MHz		-2		dBic	(on 50× 50mm ground plane)
Polarization Model	RHCP				(Right Hand Circular Polarization)
Impedance	50			Ω	
Permittivity	91				
Frequency Temperature Coefficient			20	ppm/°C	

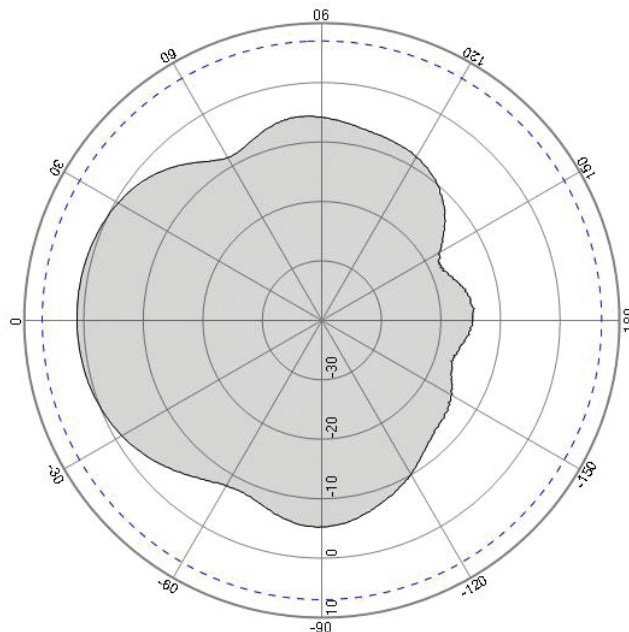
<sup>(\*)</sup> Application environment, including size of ground plane will affect stated performance. Fine tuning might be required when installed on customer's PCB.

### TEST CONDITIONS & TEST SETUP:

Parts shall be measured under a condition (Temp.: 20±15°C, Humidity: 65±20% R.H.)



### RADIATION PATTERN



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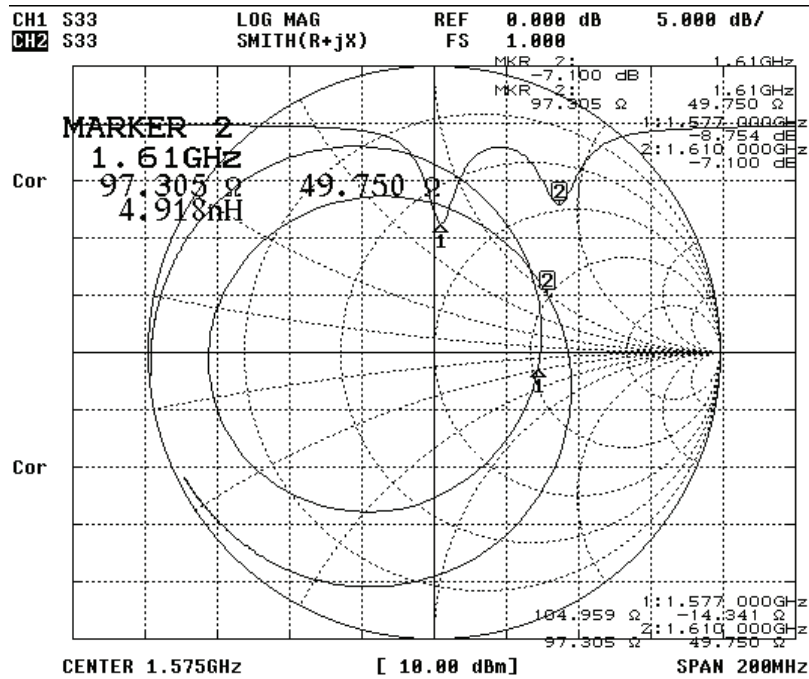
RoHS/ RoHS II compliant.



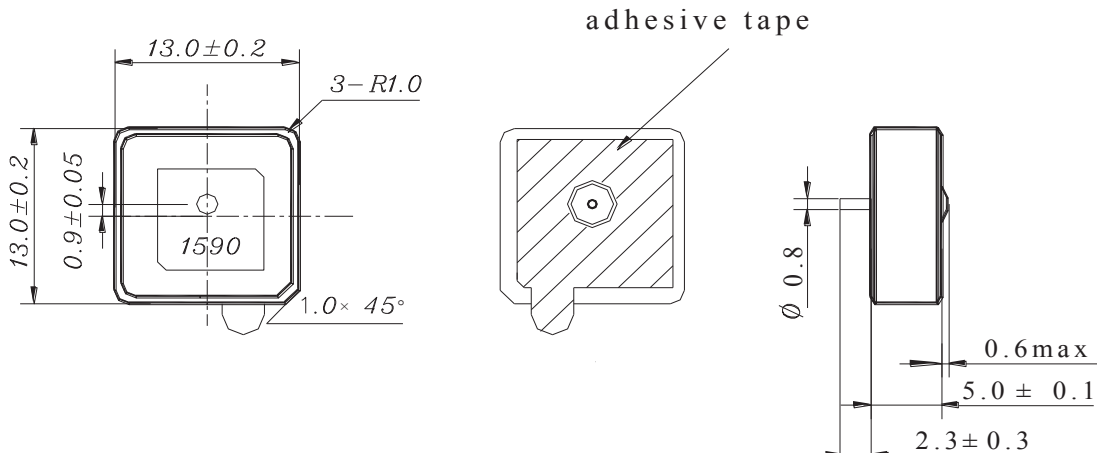
13.0 x 13.0 x 5.0mm

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## IMPEDANCE CHARACTERISTICS



## OUTLINE DRAWING:



Dimension: mm