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

GPS+GLONASS Patch Antenna

RoHS/ RoHS II compliant.



13.0 x 13.0 x 5.0mm

MSL level: Not Applicable

FEATURES:

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

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

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

STANDARD SPECIFICATIONS:

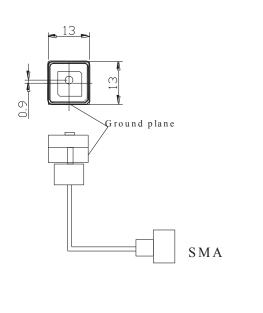
APAE1590R1350AKDB5-T

Parameters		Min.	Тур.	N	Aax.	Units	Note
Center Frequency @ -10dB bandwidth(*)	GPS	1575.42 1598~1606				MHz	(with adhesive tape on 13x13mm ground plane)
	GLONASS						
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	

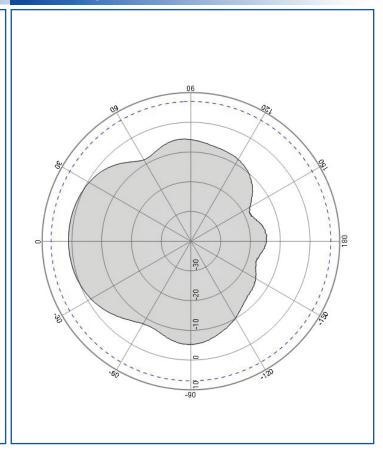
^(*) Application environment, including size of ground plane will affect stated performance. Fine tuning might be required when installed on customer's PCB.

TEST CONDITIONS & TEST SETUP:

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



RADIATION PATTERN







1575.42MHZ/1598~1606MHz, 13 x 13 x 5mm GPS+GLONASS Patch Antenna

APAE1590R1350AKDB5-T

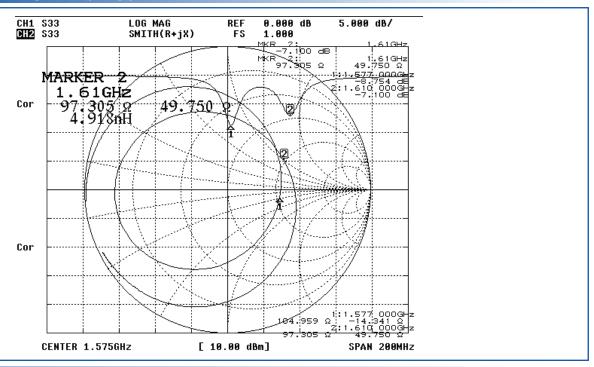
RoHS/ RoHS II compliant.



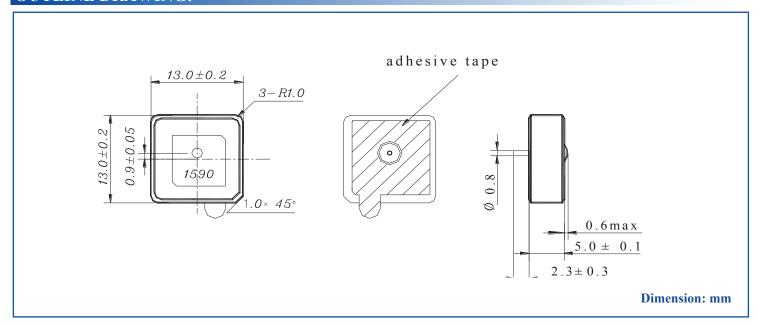
13.0 x 13.0 x 5.0mm

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

► IMPEDANCE CHARACTERISTICS



OUTLINE DRAWING:





1575.42MHZ/1598~1606MHz, 13 x 13 x 5mm **GPS+GLONASS Patch Antenna**

APAE1590R1350AKDB5-T

RoHS/ RoHS II compliant.



13.0 x 13.0 x 5.0mm

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

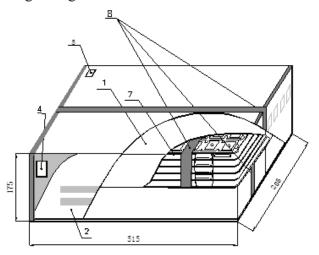
PACKAGING:

"T" is for a vacuum sealed tray containing 50 units.

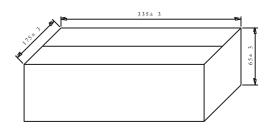
2000 pieces is the suggested quantity containing 40-trays with 50-pcs per Tray.

NOTE: This product is vacuum packaged to reduce the possibility of oxidation and/or contamination

during storage.



NO.	Name			
1	Inner Box			
2	Package			
3	Vacuum Bag			
4	Certificate of approval			
5	Label			
6	Cushion			
7	Tray			
8	Adhesive tape			



Inner Box dimensions (Unit: mm)

CAUTION:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

NOTE:

- 1) The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON for more information.
- 2) ABRACON will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
- 3) In no case shall ABRACON be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification
- 4) When changing your production process, please notify ABRACON immediately.
- 5) ABRACON Corporation'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. requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from ABRACON Corporation is required. Please contact ABRACON Corporation for more information.
- 6) All specifications and Marking will be subject to change without notice.

ATTENTION: Abracon Corporation'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 Corporation is required. Please contact Abracon Corporation for more information.



