

13.0 x 13.0 x 4.0mm

APAE1590R1340AKDB2-T

MSL level: Not Applicable

FEATURES:

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

STANDARD SPECIFICATIONS

RoHS/RoHS II Compliant

TYPICAL APPLICATIONS:

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

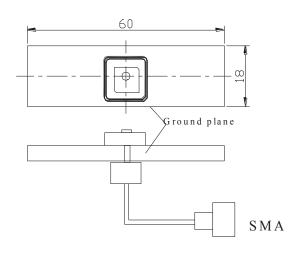
Parameters		Min.	Тур.	Max.	Units	Note
Center Frequency ^(*)	GPS		1575.42		MIL	(with adhesive tape on
	GLONASS	1598~1606		MHz	18x60mm ground plane)	
Return Loss at 1582MHz				-10	dB	
Return Loss at 1618MHz				-10	dB	
Axial Ratio			16			
RHCP Gain at Zenith 1575MHz				-2	dBic	(on 50× 50mm ground plane)
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	

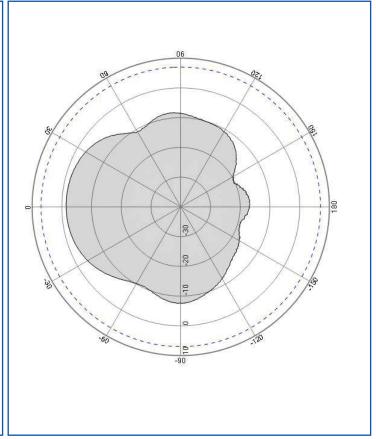
(*) Application environment, including size of ground plane will affect stated performance. Fine tuning might be required when installed on customer's PCB.

TEST CONDITIONS & TEST SETUP:

RADIATION PATTERN

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







2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 02.08.16** Ph. 949.546.8000 | Fax. 949.546.8001 Visit www.abracon.com for Terms and Conditions of Sale

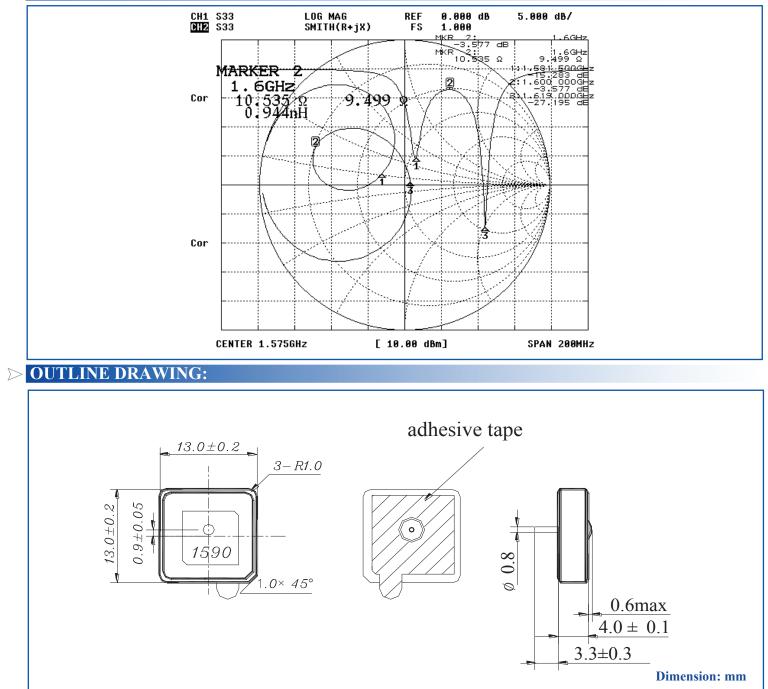


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1575.42MHZ/1598~1606MHz, 13 x 13 x 4mm **GPS+GLONASS** Patch Antenna



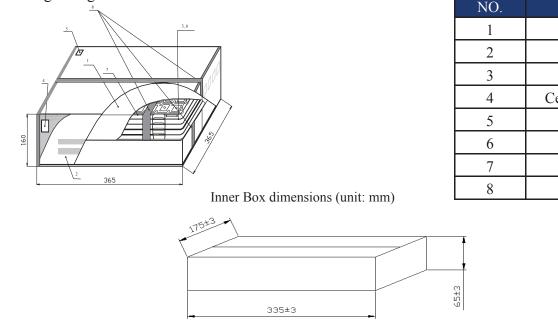
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PACKAGING:

"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. Name



Inner Box Package Vacuum Bag Certificate of approval Label Cushion Trav Adhesive tape

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. 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.

6) All specifications and Marking will be subject to change without notice.

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