# 1575.42MHZ; 25 x 25 x4mm GPS Patch Antenna

25.0 x 25.0 x 4.0mm

## APAE1575R2540BBDB1-T

RoHS 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
- Customization Available
- RoHS Compliance

## TYPICAL APPLICATIONS:

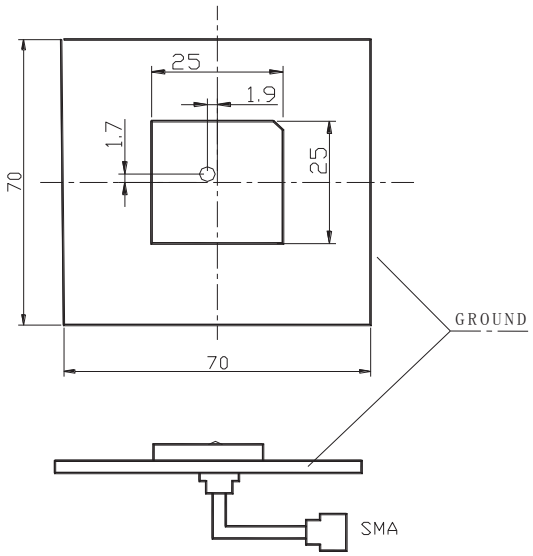
Automotive navigation, Marine buoys, Surveying equipment, Cell phone, Laptop, Healthcare and medical monitoring devices, PND, PDA

## STANDARD SPECIFICATIONS:

| Parameters | Min. | Typ. | Max. | Units | Note |
|---|---|---|---|---|---|
| Receiving Frequency Range | | 1575.42±1.023 | | MHz | |
| Center Frequency @ 10dB bandwidth | | 1580.0±3.0 | | MHz | (with adhesive tape on 70x70mm ground plane) |
| -10dB Bandwidth | 15 | ----- | ----- | MHz | |
| VSWR at Center Frequency | ----- | ----- | 1.5 | | |
| Impedance | | 50 | | Ω | |
| Polarization Model | | RHCP | | ---- | |
| Frequency Temperature Coefficient | ----- | ----- | 20 | ppm/°C | |

## TEST CONDITIONS & TEST SETUP:

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




## PART IDENTIFICATION:

APAE1575R2540BBDB1 - □

| Packaging |
|---|
| T100: 100pcs/box |
| T:1000pcs/box |



30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

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25.0 x 25.0 x 4.0mm

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This product is RoHS compliant
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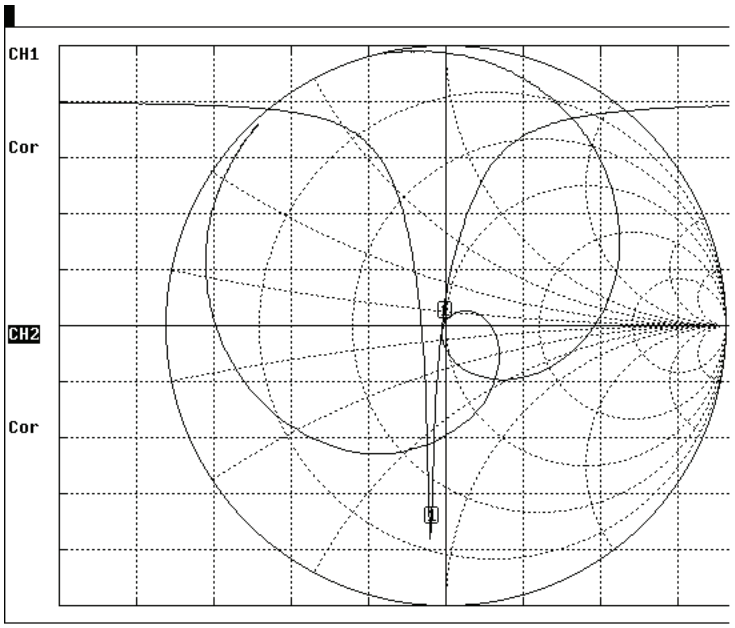
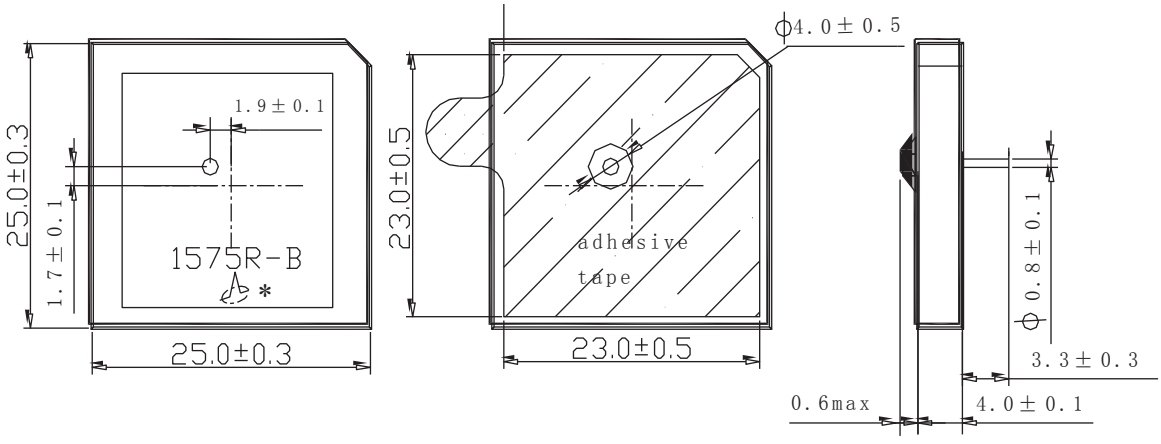
## IMPEDANCE CHARACTERISTICS




## OUTLINE DRAWING:




**Dimension: mm**



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# 1575.42MHZ; 25 x 25 x4mm GPS Patch Antenna

## APAE1575R2540BBDB1-T

25.0 x 25.0 x 4.0mm

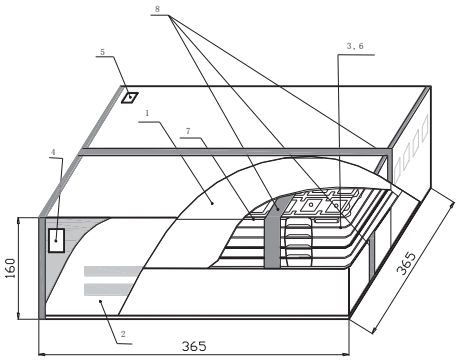
RoHS Compliant

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

## PACKAGING:

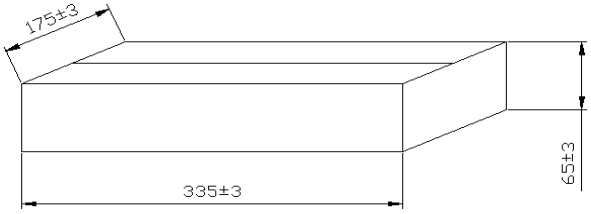
T100 = 2 trays containing a total of 100pcs devices
T = 40 trays containing a total of 2000pcs devices

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




Inner Box dimensions (unit: mm)

| NO. | Name |
|---|---|
| 1 | Inner Box |
| 2 | Package |
| 3 | Vacuum Bag |
| 4 | Certificate of approval |
| 5 | Label |
| 6 | Cushion |
| 7 | Tray |
| 8 | 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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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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**Данный компонент на территории Российской Федерации**

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http://moschip.ru/get-element

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

**Офис по работе с юридическими лицами:**

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