

APAE1575R2520ABDD7-T



**RoHS
Compliant**

Pb in ceramic (exempt per RoHS 2002/95/EC Annex (7)).



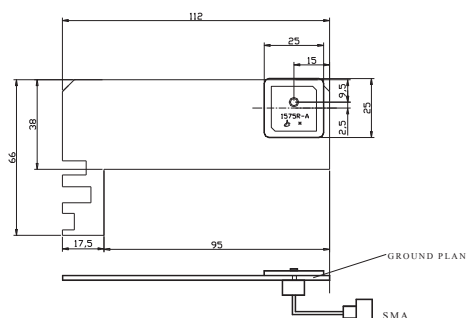
25.0 x 25.0 x 2.0mm

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

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

Parameters	Min.	Typ.	Max.	Units	Note
Receiving Frequency Range	1575.42±1.023			MHz	
Center Frequency @ 10dB bandwidth	1575±3.0			MHz	(on the special PCB ground plane)
VSWR at Center Frequency	-----	-----	1.5		
Impedance	50±10			Ω	
Polarization Model	RHCP			----	
Frequency Temperature Coefficient	-----	-----	20	ppm/°C	

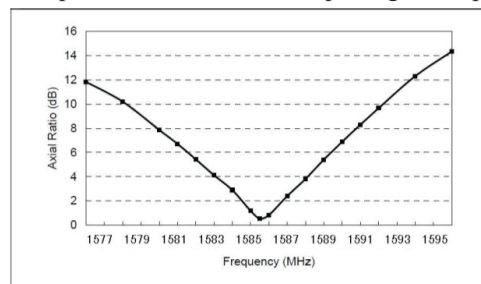
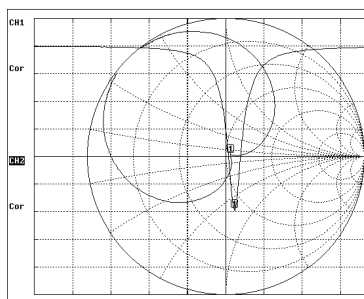
Parts shall be measured under a condition (Temp.: 20±15°C, Humidity: 65±20% R.H.)

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T:1000pcs/box

MEASURED AXIAL RATIO

(For Example: 1585MHz 70mm square ground plane)



ABRACON
CORPORATION

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

1575.42MHZ; 25.0 x 25.0 x 2.0mm GPS Patch Antenna

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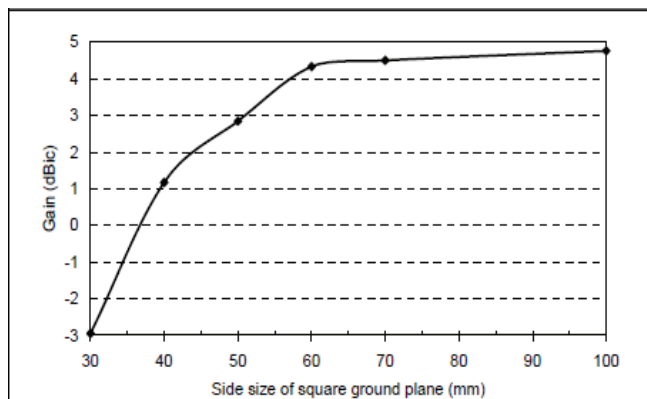


25.0 x 25.0 x 2.0mm

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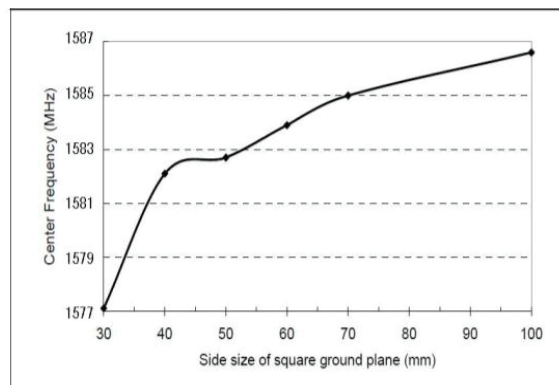
ANTENNA GAIN VS. GROUND PLANE SIZE

(For Example: 1585MHz)



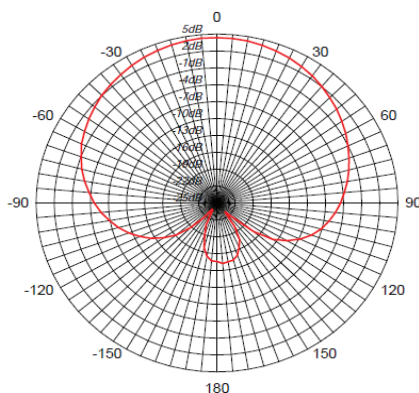
CENTER FREQUENCY VS. GROUND PLANE

(For Example: 1585MHz)

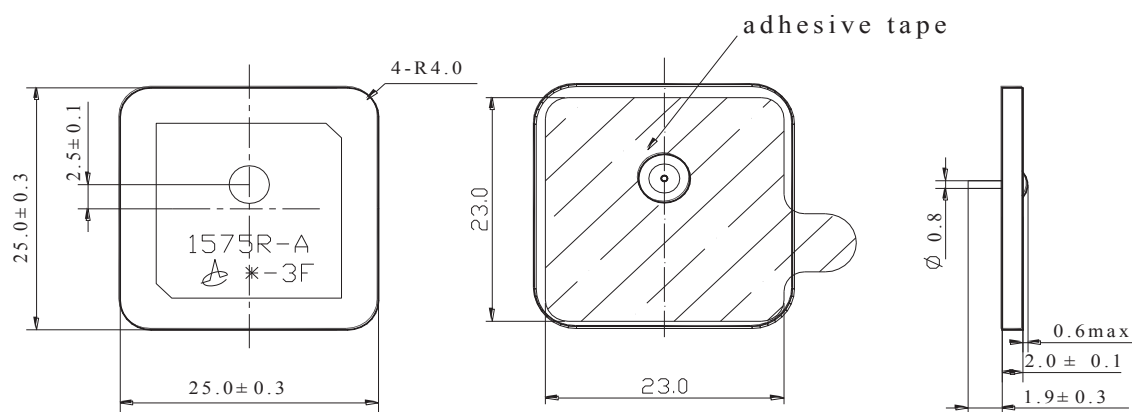


THE NORMALIZED ANTENNA GAIN CHART

(For Example: 1585MHz)



OUTLINE DRAWING:



Dimension: mm

1575.42MHZ; 25.0 x 25.0 x 2.0mm GPS Patch Antenna

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25.0 x 25.0 x 2.0mm

This product is RoHS compliant

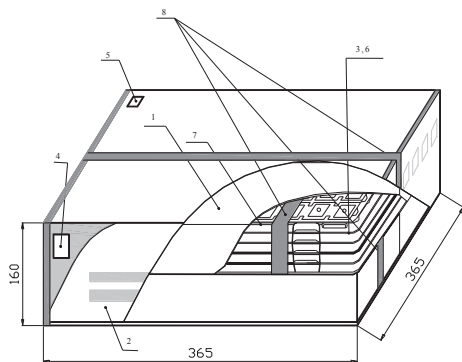
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PACKAGING:

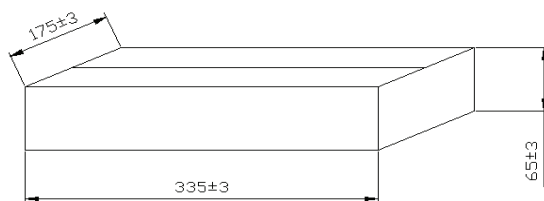
T100 = 2 trays containing a total of 100pcs devices

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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ABRACON IS
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CERTIFIED



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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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