

# 915MHz; 25 x 25 x 4mm RFID(USA) Patch Antenna

**APAE915R2540ABDB1-T**



**RoHS**  
Compliant



25.0 x 25.0 x 4.0mm

MSL level: Not Applicable

## FEATURES:

- Compact size
- RoHS Compliance

## TYPICAL APPLICATIONS:

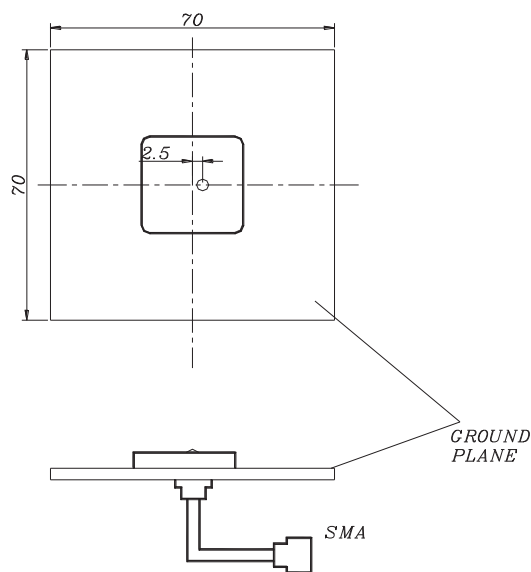
RFID systems for Logistic & Inventory Management of Retail, Pharmaceutical, Automotive Industries; Industrial automation, Contactless smart cards.

## STANDARD SPECIFICATIONS:

| Parameters                         | Min.      | Typ. | Max. | Units  | Note                                                    |
|------------------------------------|-----------|------|------|--------|---------------------------------------------------------|
| Receiving Frequency Range          | 915.0     |      |      | MHz    |                                                         |
| Center Frequency @ -10dB bandwidth | 917.0±2.0 |      |      | MHz    | (Center frequency is the demand frequency by customer.) |
| -10dB bandwidth                    | 2         |      |      | MHz    |                                                         |
| Gain( at Zenith 90°)               |           | 4.5  |      | dBic   | (Peak gain on standardized Ground Plane)                |
| VSWR @ Center Frequency            |           |      | 1.5  |        |                                                         |
| Polarization Model                 | RHCP      |      |      |        | (Right Hand Circular Polarization)                      |
| 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.)



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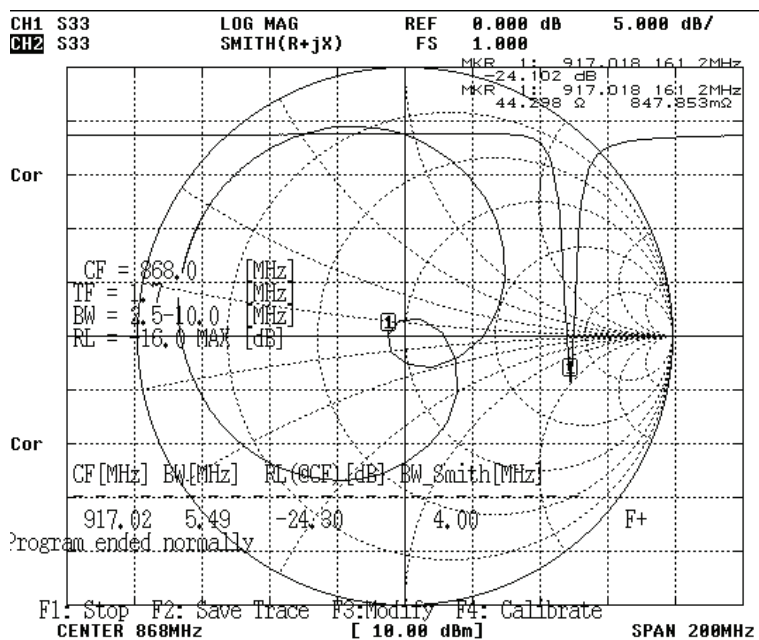


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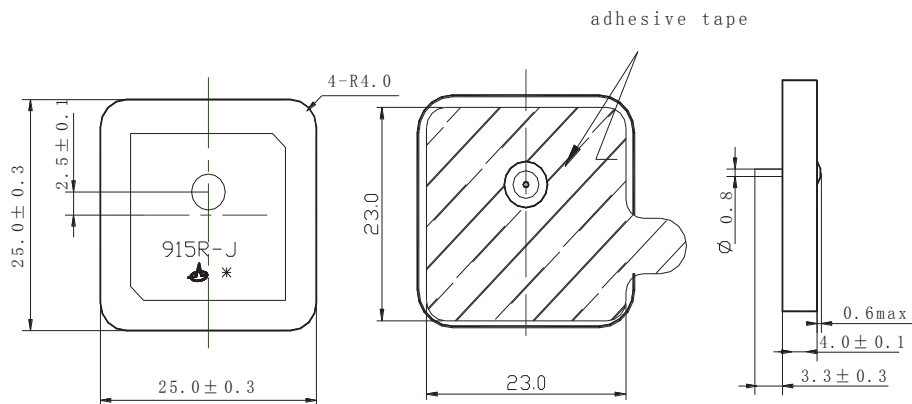


25.0 x 25.0 x 4.0mm

## IMPEDANCE CHARACTERISTICS



## OUTLINE DRAWING:



Dimension: mm

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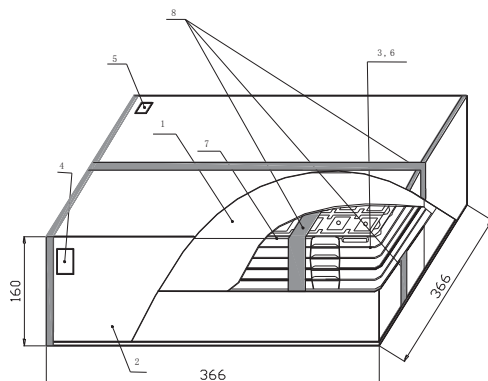
25.0 x 25.0 x 4.0mm

## PACKAGING:

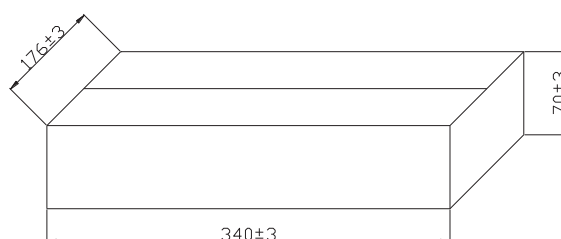
“T” is for a vacuum sealed tray containing 50 units.

1000 pieces is the suggested quantity containing 20-trays with 50-pcs per Tray.

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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Электрон  
Связь**

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Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

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**Наши контакты:**

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