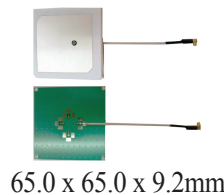


# RFID Reader (Passive)

**ARRTN5-915.000MHz**

**RoHS/RoHS II Compliant**



**MSL level: Not Applicable**

## FEATURES:

- High Gain
- Easy to install
- RF Cable and Connector
- RoHS Compliant

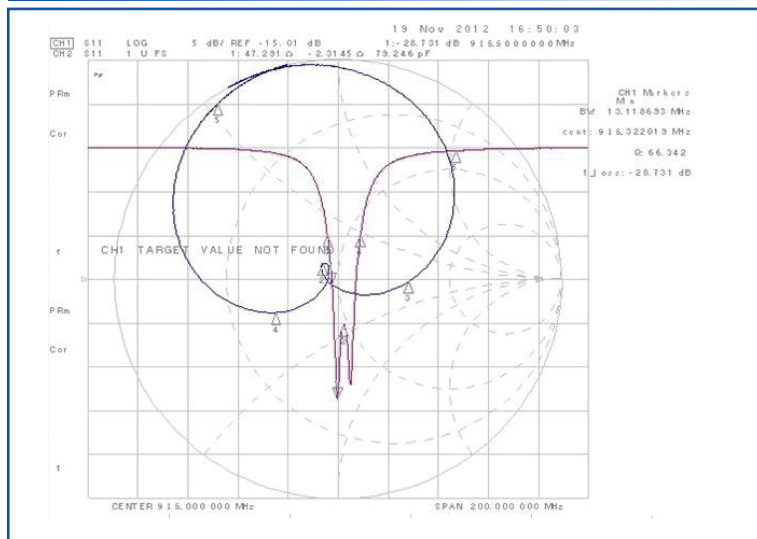
## TYPICAL APPLICATIONS:

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

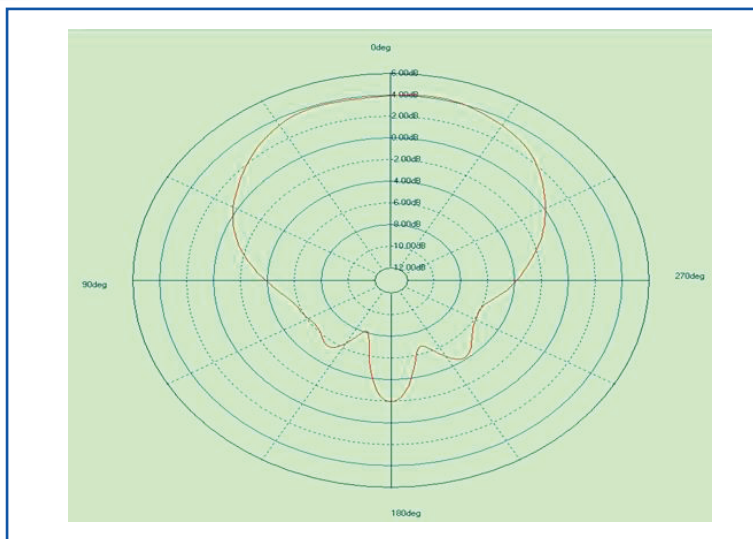
## STANDARD SPECIFICATIONS:

| Parameters          | Min. | Typ.  | Max. | Units | Note                            |
|---------------------|------|-------|------|-------|---------------------------------|
| Center Frequency    |      | 915±3 |      | MHz   |                                 |
| V.S.W.R             |      | 1.5   |      |       |                                 |
| Bandwidth           | 12.0 |       |      | MHz   | V.S.W.R<1.5                     |
| Impedence           |      | 50    |      | Ω     |                                 |
| Gain                |      | 3.5   |      | dBi   | Based on 120×120mm ground plane |
| Polarization        |      | RHCP  |      |       |                                 |
| Working Temperature | -40  |       | +80  | °C    |                                 |
| Storage Temperature | -45  |       | +85  | °C    |                                 |

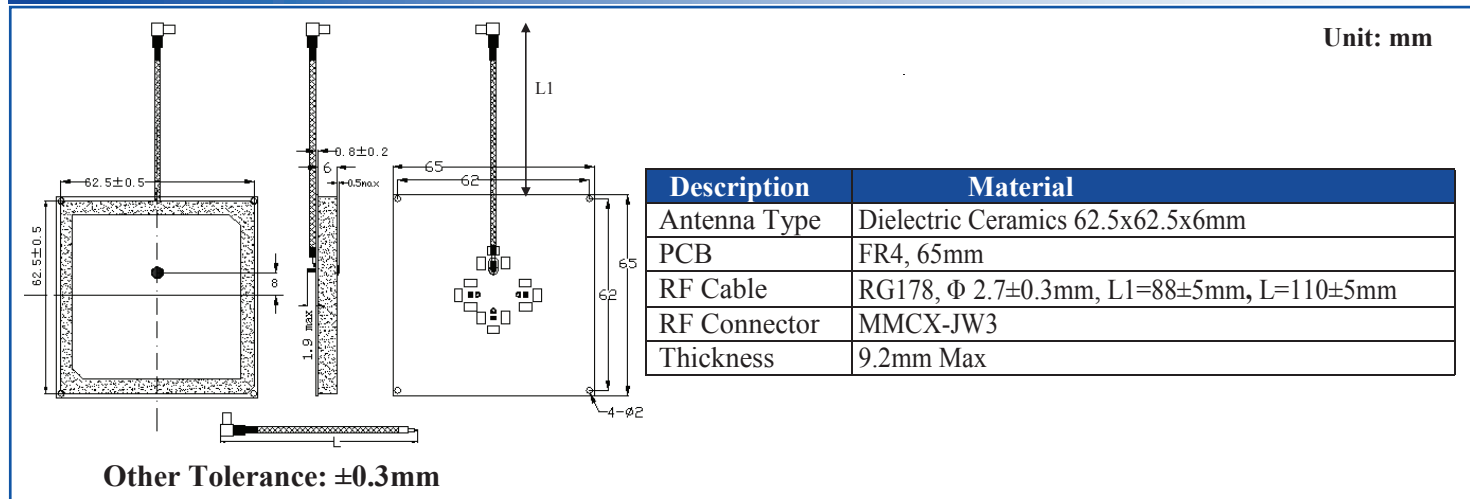
## SMITH CHART:



## RADIATION PATTERN



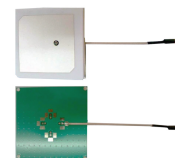
## OUTLINE DRAWING:



# RFID Reader (Passive)

ARRTN5-915.000MHz

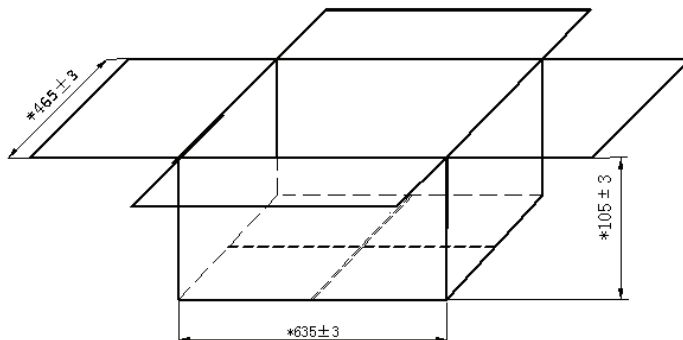
RoHS/RoHS II Compliant



65.0 x 65.0 x 9.2mm

## TAPE & REEL:

Each carton contains 100pcs of antenna and each casing positions 2pcs of antennas. Carton (outer box) size is 635 x 465 x 105 mm.



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. 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  
ISO9001:2008  
CERTIFIED



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Visit [www.abracon.com](http://www.abracon.com) for Terms and Conditions of Sale

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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