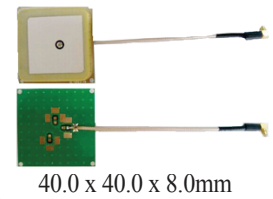


RFID Reader (Passive)

ARRRN5-868.000MHz

RoHS/RoHS II Compliant



MSL level: Not Applicable

FEATURES:

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

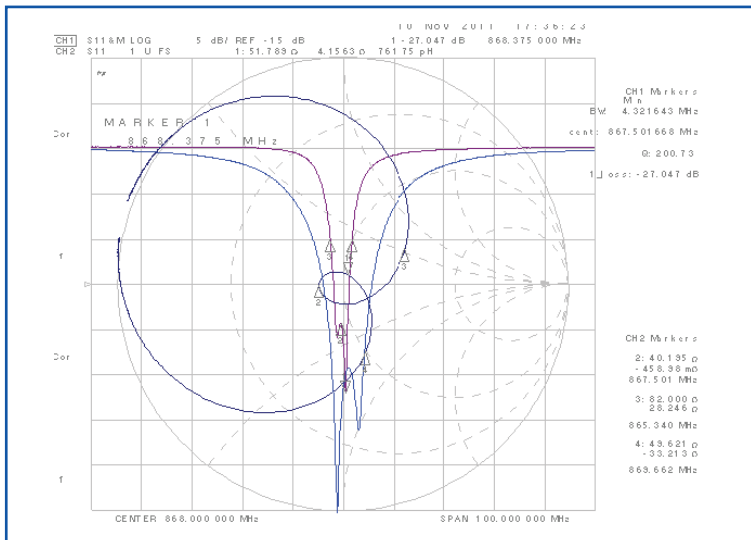
TYPICAL APPLICATIONS:

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

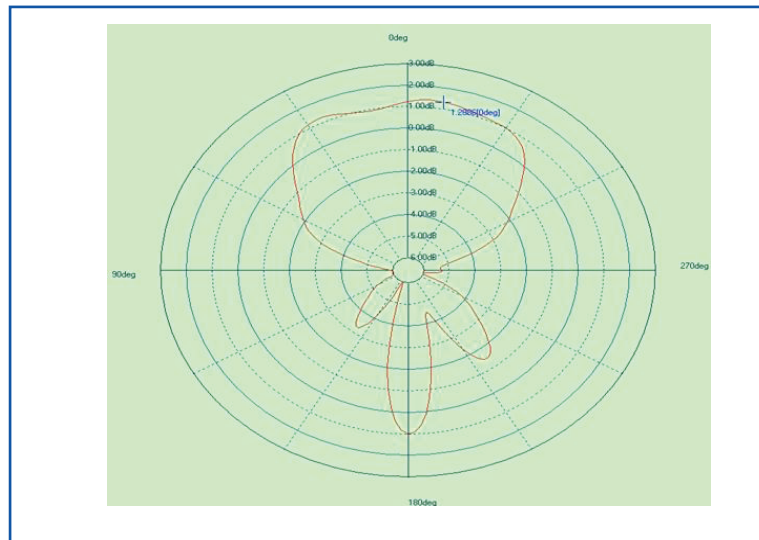
STANDARD SPECIFICATIONS:

| Parameters | Min. | Typ. | Max. | Units | Note |
|---------------------|------|-------|------|-------|-------------------------------|
| Center Frequency | | 868±3 | | MHz | |
| V.S.W.R | | 1.5 | | | |
| Bandwidth | 4.0 | | | MHz | V.S.W.R<1.5 |
| Impedence | | 50 | | Ω | |
| Gain | | 1.5 | | dBi | Based on 70×70mm ground plane |
| Polarization | | RHCP | | | |
| Working Temperature | -40 | | +80 | °C | |
| Storage Temperature | -45 | | +85 | °C | |

SMITH CHART:



RADIATION PATTERN



OUTLINE DRAWING:

Unit: mm

| Description | Material |
|--------------|---|
| Antenna Type | Dielectric 36x36x4mm Ceramics |
| PCB | FR4, 40mm |
| RF Cable | RG178, Ø2.7±0.3mm , L1=96 ± 5mm, L=110± 5mm |
| RF Connector | MMCX-JW3 |
| Thickness | 8mm Max |

Other Tolerance: ±0.3mm

ABRACON IS
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CERTIFIED

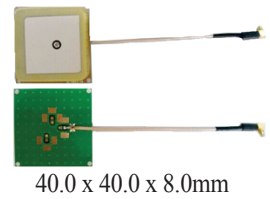


Visit www.abracon.com for Terms & Conditions of Sale **Revised 11.17.14**
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tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

RFID Reader (Passive)

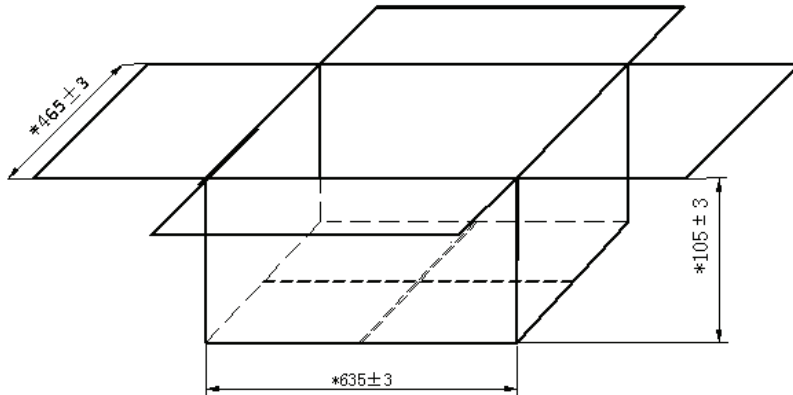
ARRRN5-868.000MHz

RoHS/RoHS II Compliant



TAPE & REEL:

Each carton contains 100 pcs 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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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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