

# RFID Reader (Passive)

**ARRUN5-868.000MHz**

MSL level: Not Applicable

RoHS/RoHS II Compliant



120.0 x 120.0 x 9.5mm

## FEATURES:

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

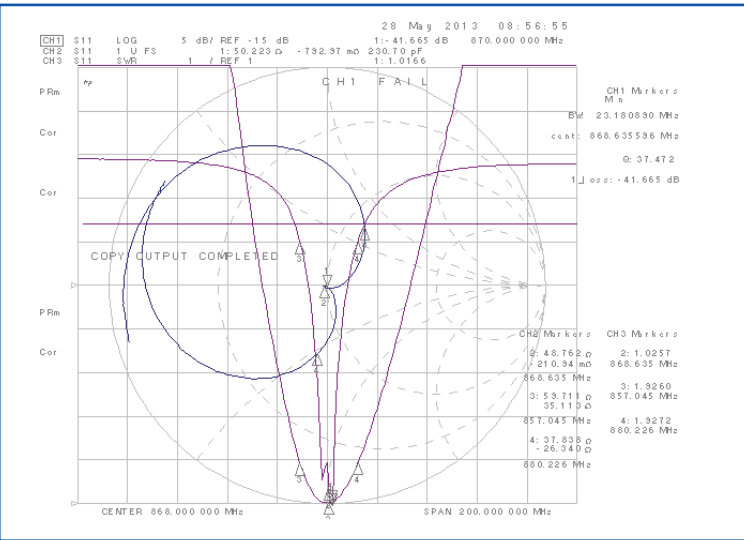
## TYPICAL APPLICATIONS:

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

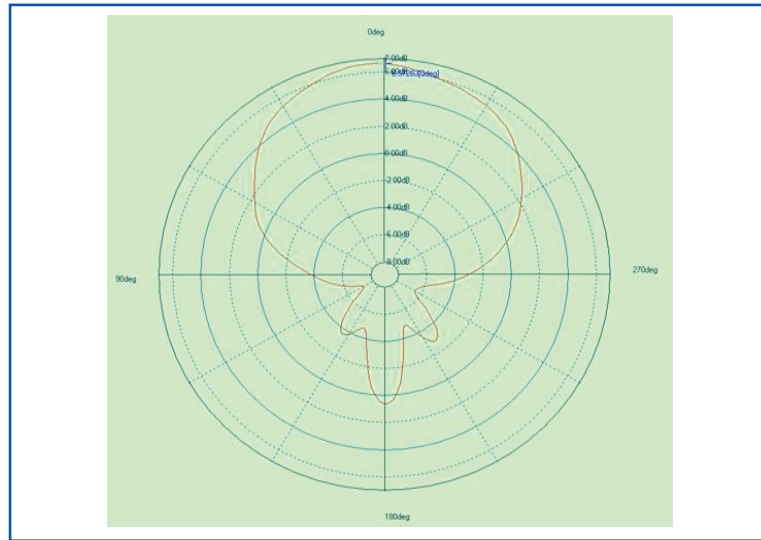
## STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency		868±3		MHz	
V.S.W.R		1.5			
Bandwidth	20.0			MHz	V.S.W.R<1.5
Impedence		50		Ω	
Gain		5.5		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:

**Unit: mm**

Description	Material
Antenna Type	Dielectric Ceramics 80x80x6mm
PCB	FR4, 120mm
RF Cable	RG178, Ø 2.7±0.3mm, L1=60±5mm, L=110±5mm
RF Connector	MMCX-JW3
Thickness	9.5mm Max

**Other Tolerance: ±0.5mm**

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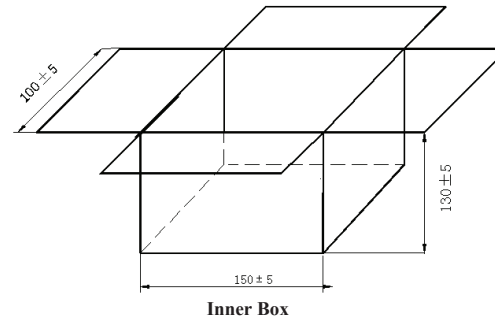
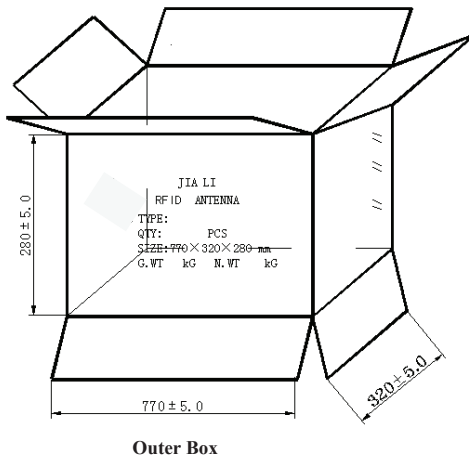
RoHS/RoHS II Compliant



120.0 x 120.0 x 9.5mm

## TAPE & REEL:

Each 150 \* 100 \* 130 mm inner box contains 5pcs of antenna which are inserted into the card slots. Each 770 \* 320 \* 280 mm size Carton (outer box) positions 10 inner boxes. The total number of antenna per carton is 50pcs



Outer Box

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  
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CERTIFIED



2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 11.24.14**  
Ph. 949.546.8000 | Fax. 949.546.8001  
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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

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.