

## **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Abracor Corporation](#)  
[ARRUN5-915.000MHZ](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# RFID Reader (Passive)

## ARRUN5-915.000MHz

### 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

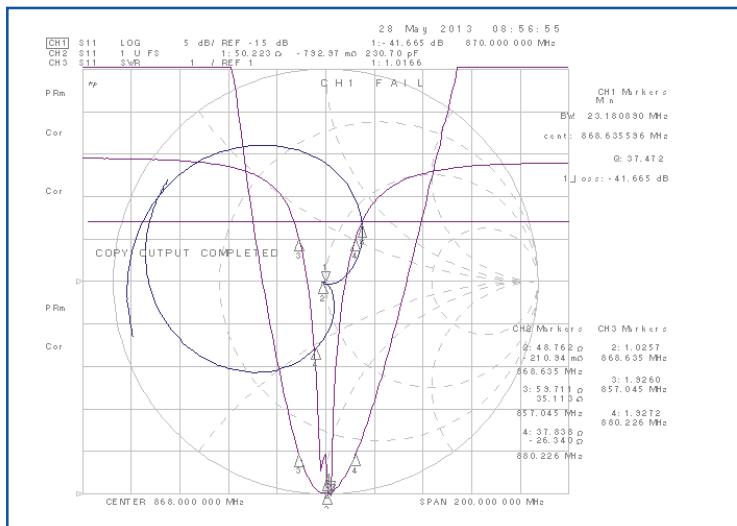
## ► TYPICAL APPLICATIONS:

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

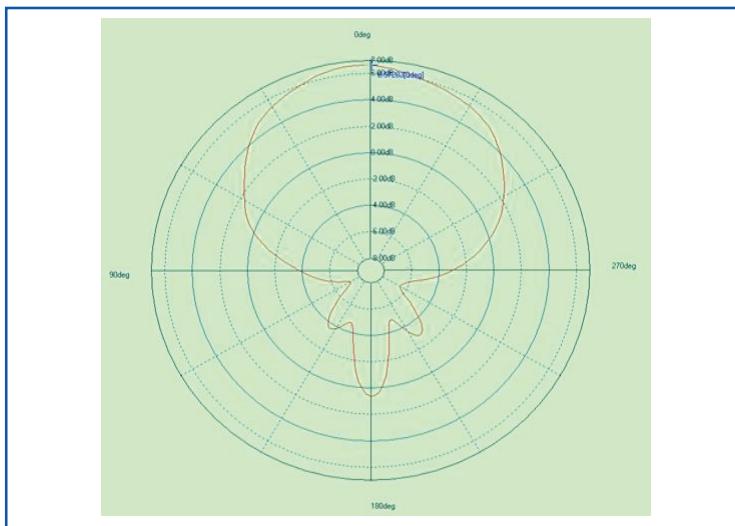
## ► STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency		915±3		MHz	
V.S.W.R		1.5			
Bandwidth	20.0			MHz	V.S.W.R<1.5
Impendence		50		Ω	
Gain		5.5		dBi	Based on 120×120mm ground plane
Polarization	RHCP				
Working Temperature	-40		+80	°C	
Storage Temperature	-45		+85	°C	

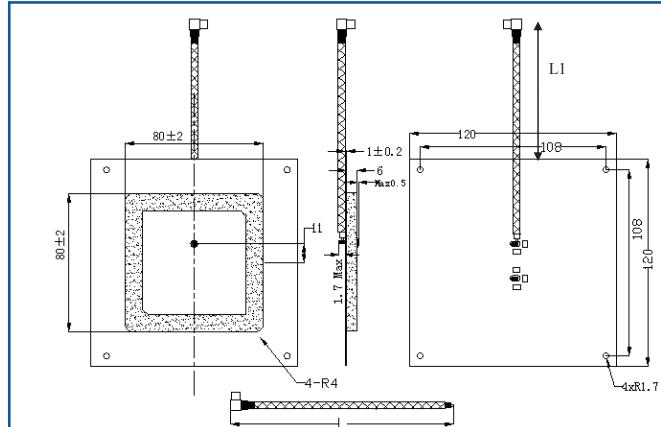
## ➤ SMITH CHART:



## RADIATION PATTERN



## ► OUTLINE DRAWING:



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:  $\pm 0.5\text{mm}$**

Unit: mm

## RFID Reader (Passive)

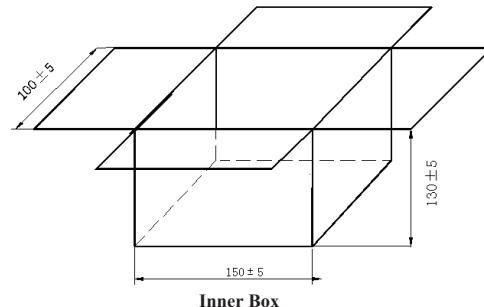
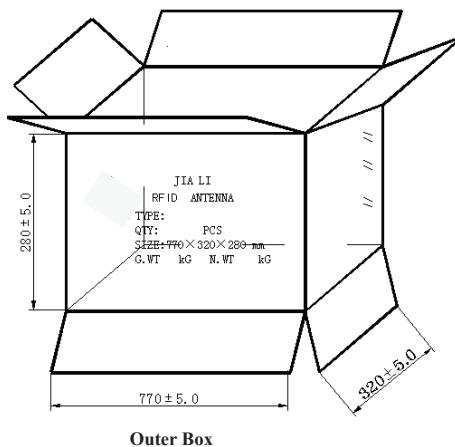
ARRUN5-915.000MHz

RoHS/RoHS II Compliant



## &gt; TAPE &amp; 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



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.

**ATTENTION:** Abracan Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracan'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 Abracan Corporation is required. Please contact Abracan Corporation for more information.