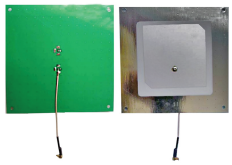
RFID Reader (Passive)

ARRUN5-915.000MHz



120.0 x 120.0 x 9.5mm

RoHS/RoHS II Compliant
MSL level: Not Applicable

FEATURES:

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

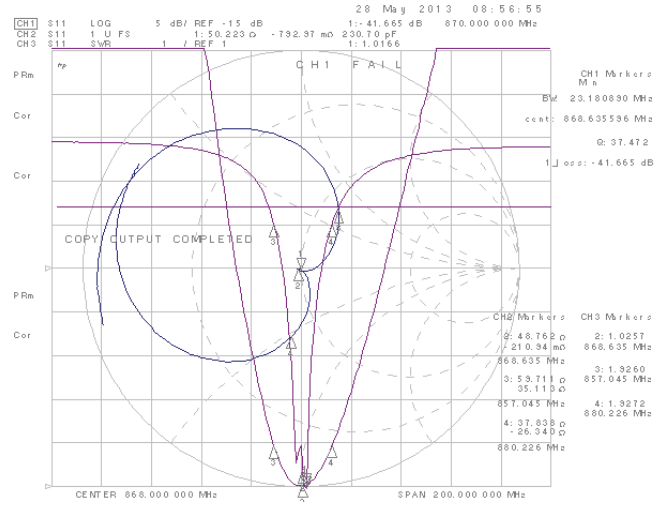
TYPICAL APPLICATIONS:

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

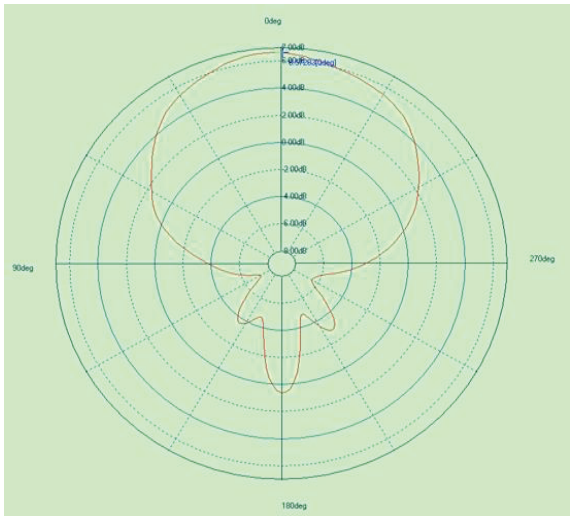
STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency		915±3		MHz	
V.S.W.R		1.5			
Bandwidth	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	

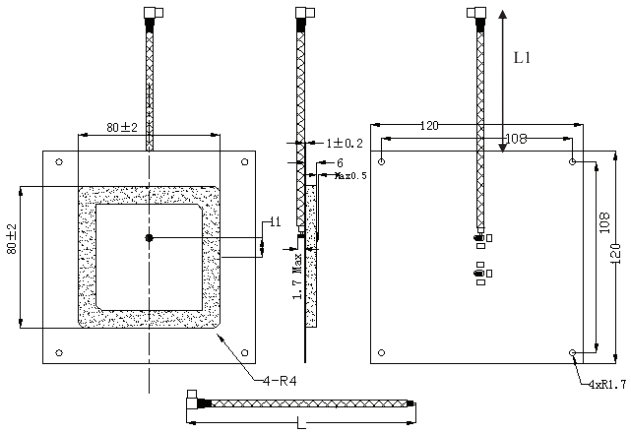
SMITH CHART:



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: ±0.5mm

Unit: mm

ABRACON LLC

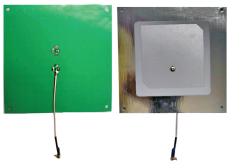
5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 01.21.2019

ABRACON IS ISO9001-2015 CERTIFIED

RFID Reader (Passive)

ARRUN5-915.000MHz



120.0 x 120.0 x 9.5mm

RoHS/RoHS II Compliant

TAPE & REEL:

Each small box contains 5pcs of RFID reader. There are 60 pcs per outer box.

Package Type	Quantity
Small Box	5pcs
Outer Box	60pcs

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: Abracon LLC'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-dependent 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 LLC is required. Please contact Abracon LLC for more information.

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