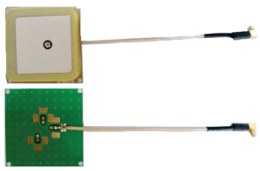
RFID Reader (Passive)

ARRRN5-868.000MHz



40.0 x 40.0 x 8.0mm

RoHS/RoHS II Compliant
MSL level: Not Applicable

FEATURES:

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

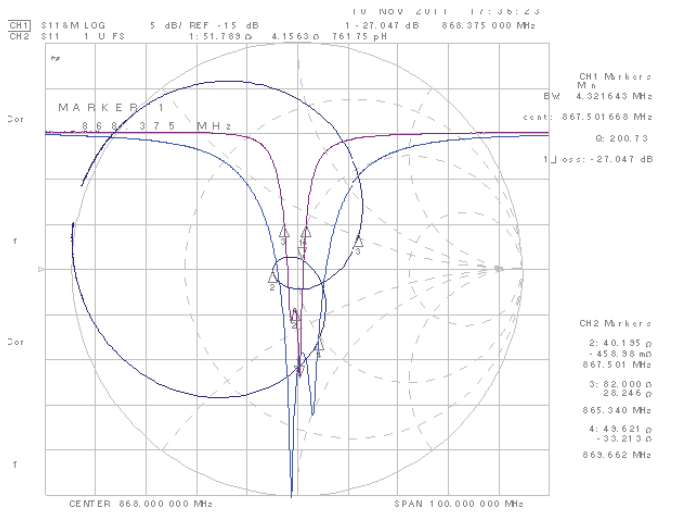
TYPICAL APPLICATIONS:

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

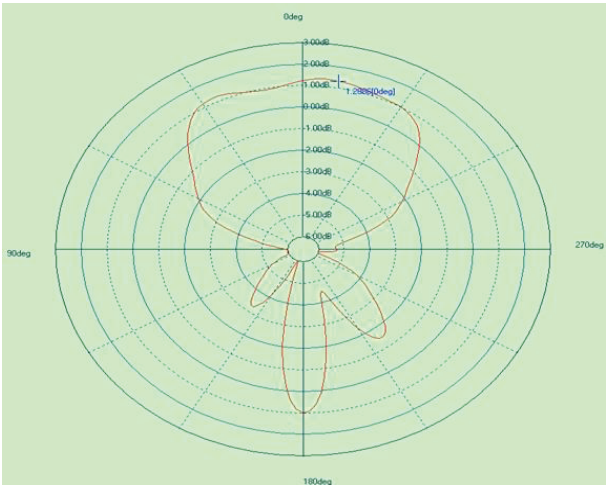
STANDARD SPECIFICATIONS:

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
Impendence		50		Ω	
Gain		1.5		dBi	Based on 70×70mm ground plane
Polarization		RHCP			
Working Temperature	-40		+80	˚C	
Storage Temperature	-45		+85	˚C	

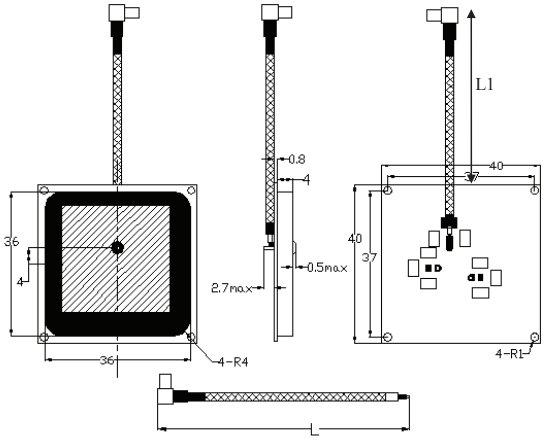
SMITH CHART:



RADIATION PATTERN



OUTLINE DRAWING:



Unit: mm

Other Tolerance: ±0.3mm

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

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

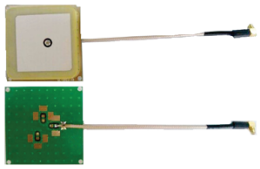
REVISED: 01.21.2019

ABRACON IS ISO9001-2015 CERTIFIED

RFID Reader (Passive)

ARRRN5-868.000MHz

RoHS/RoHS II Compliant



40.0 x 40.0 x 8.0mm

TAPE & REEL:

Each tray contains 25pcs of RFID Reader. There are 5 trays per vacuum bag, and 4 vacuum bags per carton (outer box)

Package Type	Quantity
Tray	25 pcs/tray
Vacuum Bag	125pcs/vacuum bag
Outer Box	500 pcs/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.

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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