



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

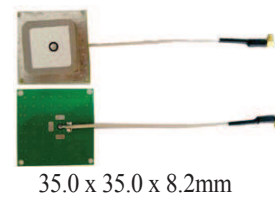
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



RFID Reader (Passive)

ARRAN5-915.000MHz

RoHS/RoHS II Compliant



35.0 x 35.0 x 8.2mm

MSL level: Not Applicable

FEATURES:

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

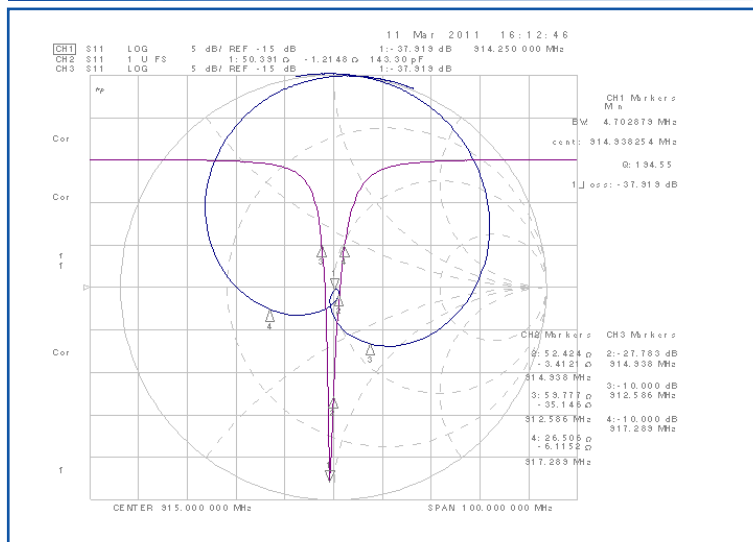
TYPICAL APPLICATIONS:

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

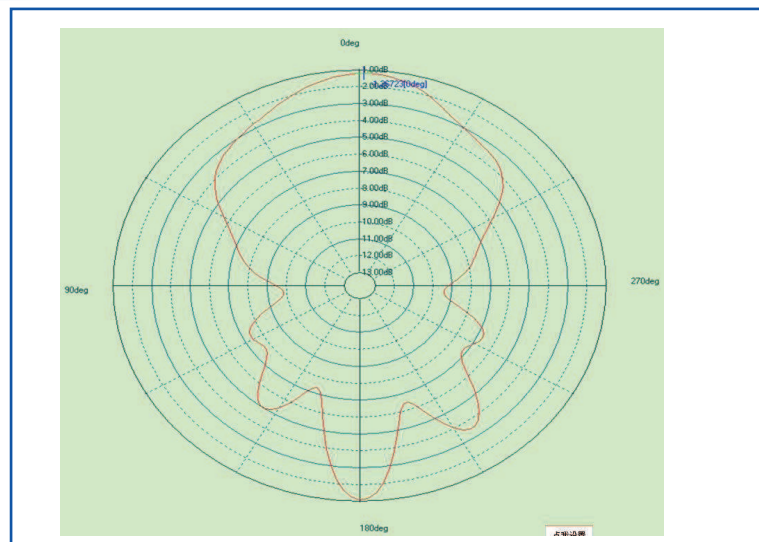
STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Center Frequency	915±3			MHz	
V.S.W.R		1.5			
Bandwidth	2.5			MHz	V.S.W.R<1.5:1
Impedence	50			Ω	
Gain		0.5		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:

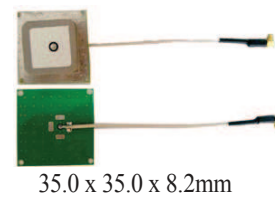
Description	Material
Antenna Type	Dielectric Ceramics 25x25x4mm
PCB	FR4, 35mm
RF Cable	RG178, Φ 2.7±0.3mm, L1=95±5mm, L=110±5mm
RF Connector	MMCX-JW3
Thickness	8.2mm Max

Other Tolerance: ±0.2mm

RFID Reader (Passive)

ARRAN5-915.000MHZ

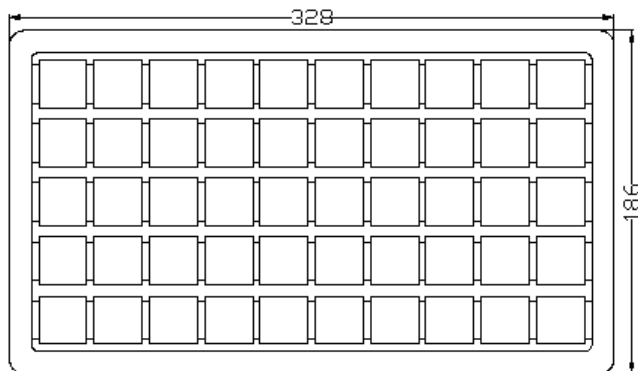
RoHS/RoHS II Compliant



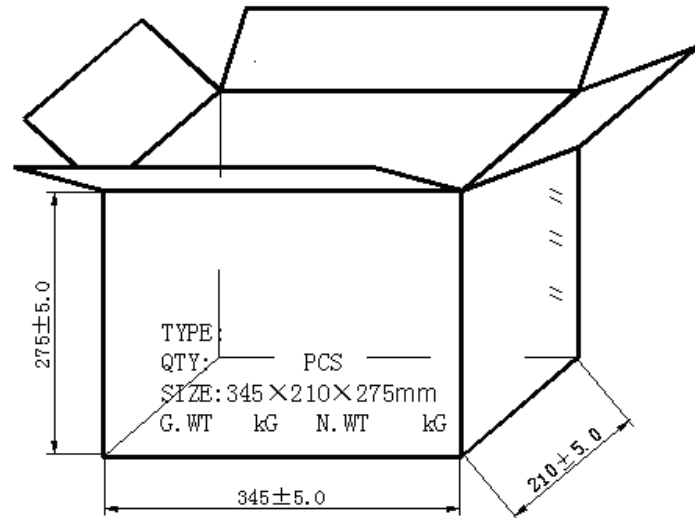
35.0 x 35.0 x 8.2mm

TAPE & REEL:

Each tray contains 50pcs of RFID Reader. There are 5 trays per vacuum bag, and 4 vacuum bags per carton (outer box). The size of each carton is 345*210*275mm.



Tray



Outer Box

Package Type	Quantity
Tray	50 pcs/tray
Vacuum Bag	200pcs/vacuum bag
Outer Box	1000 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.

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ABRACON IS
ISO9001:2008
CERTIFIED



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