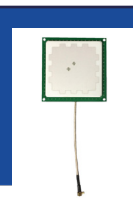
UHF RFID Antenna



ARRKP7059-S915B

70.0 x 70.0 x 5.9mm
RoHS/RoHS II Compliant
MSL = 1

FEATURES

- 902 ~ 928 MHz frequency range
- Gain of 4 dBi
- VSWR ≤ 2.0
- Easy to install
- RF Cable and Connector
- RoHS Compliant

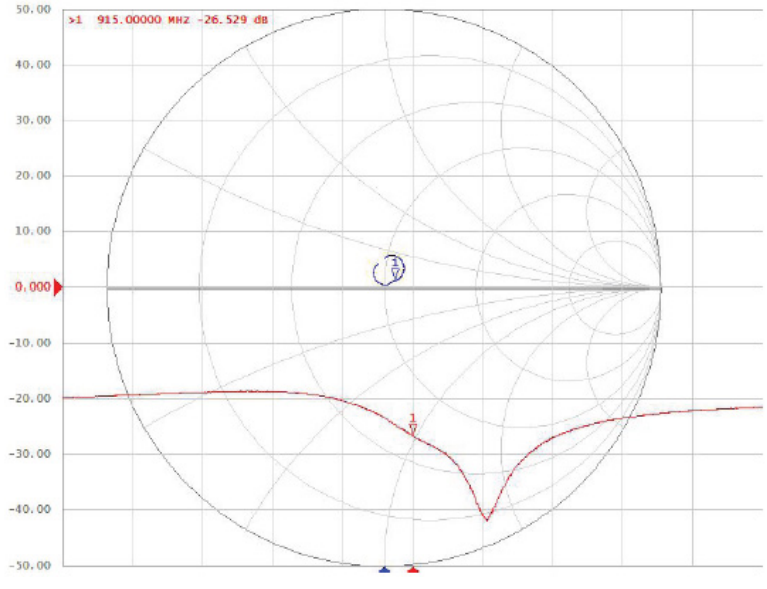
APPLICATIONS

- Industrial automation
- Smart Cards
- Asset Management
- Manufacturing
- Field Mobility
- Transportation

ELECTRICAL SPECIFICATIONS

Parameters	Min	Typ.	Max.	Units	Note
Center Frequency		915		MHz	
Frequency range	902		928	MHz	
V.S.W.R			2.0		
Bandwidth @-10dB	20			MHz	
Impendence		50		Ω	
Gain (@ Zenith		4		dBi	Based on 70×70mm ground plane
Polarization		RHCP			
Axial Ratio	3			dB	
Operating Temperature	-40		+85	˚C	10% ~ 95% RH
Storage Temperature	-45		+85	˚C	10% ~ 95% RH

SMITH CHART



ABRACON LLC
The Power of Linking Together

5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
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REVISED: 03.16.2018

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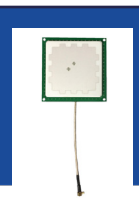
UHF RFID Antenna



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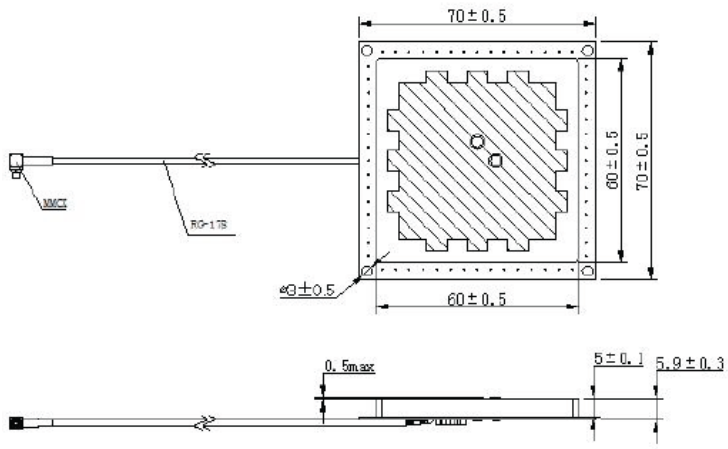
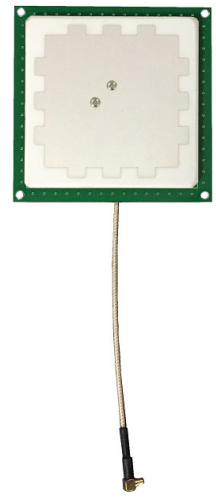
OUTLINE DIMENSIONS



Unit: mm

Description	Material
Antenna Type	Dielectric Ceramics 60x60x5.0mm
PCB	FR4, 70 x 70 mm
RF Cable	RG-178, L1=90±2.5mm
RF Connector	MMCX-JW
Thickness	5.9mm Max



PACKAGING

The carton contains 2 inner boxes each with 18 pcs inside, and the size of each carton. is 38 x 30 x 24cm.

Package Type	Quantity
Inner Box	18
Boxes per carton	2
Total qty per carton	36
Carton Gross weight	4Kg
Carton dimensions	38*30*24cm

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.

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