



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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UHF RFID Antenna



ARRKP5062-S915B

50.0 x 50.0 x 6.2mm
RoHS/RoHS II Compliant
MSL = 1

FEATURES

- 902 ~ 928 MHz frequency range
- Gain of 3 dBi
- VSWR \leq 2.0
- Easy to install
- RF Cable and Connector
- RoHS Compliant

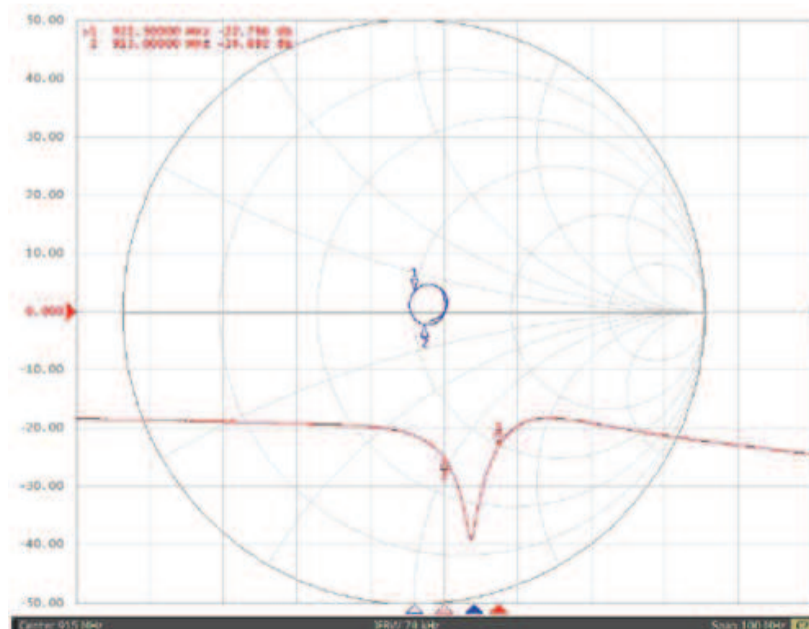
APPLICATIONS

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

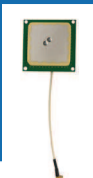
ELECTRICAL SPECIFICATIONS

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	
Impedence		50		Ω	
Gain (@ Zenith)		3		dBi	Based on 50×50mm ground plane
Polarization		RHCP			
Axial Ratio	3			dB	
Operating Temperature	-40		+85	$^{\circ}\text{C}$	10% ~ 95% RH
Storage Temperature	-45		+85	$^{\circ}\text{C}$	10% ~ 95% RH

SMITH CHART – RETURN LOSS AND IMPEDANCE



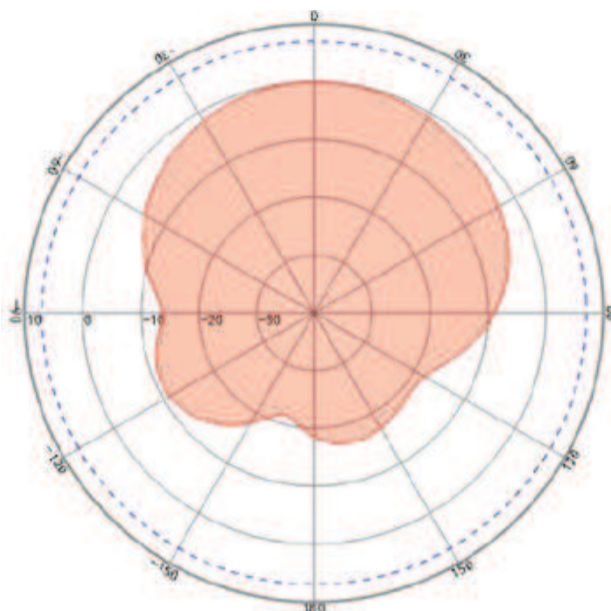
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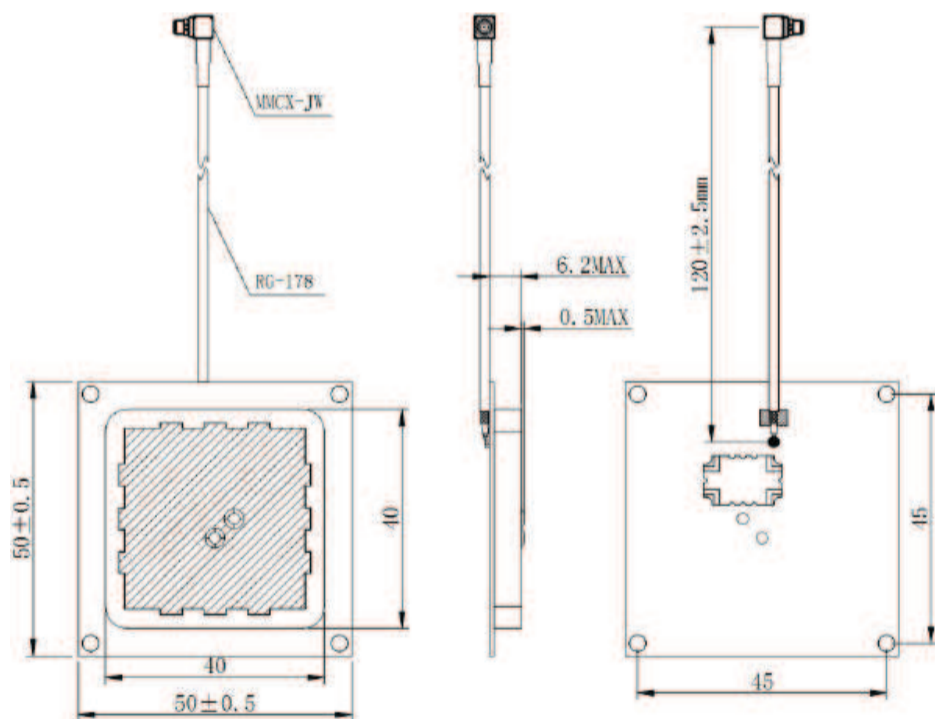
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RADIATION PATTERN (AZIMUTH)



OUTLINE DIMENSIONS



Description	Material
Antenna Type	Dielectric Ceramics 40x40x5.0mm
PCB	FR4, 50 x 50 mm
RF Cable	RG-178, L1=120±2.5mm
RF Connector	MMCX-JW
Thickness	6.7mm Max

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PACKAGING

The carton contains 2 inner boxes each with 90 pcs inside, and the size of each carton is 38 x 30 x 24cm.

Package Type	Quantity
Inner Box	90
Boxes per carton	2
Total qty per carton	180
Carton Gross weight	8Kg
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.