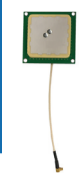


UHF RFID Antenna



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

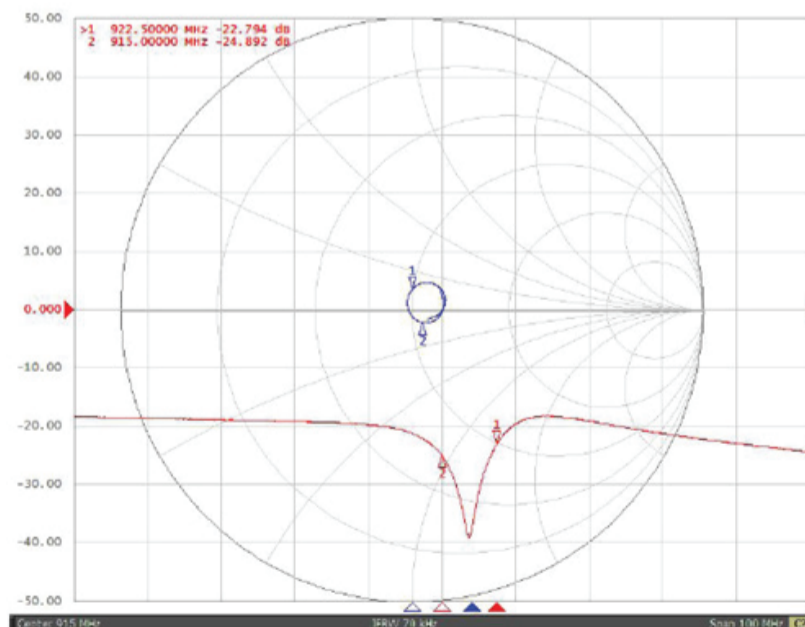
APPLICATIONS

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

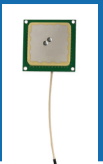
ELECTRICAL SPECIFICATIONS

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 50x50mm ground plane
Polarization		RHCP			
Axial Ratio	3			dB	
Operating Temperature	-40		+85	$^{\circ}$ C	10% ~ 95% RH
Storage Temperature	-45		+85	$^{\circ}$ C	10% ~ 95% RH

SMITH CHART – RETURN LOSS AND IMPEDANCE



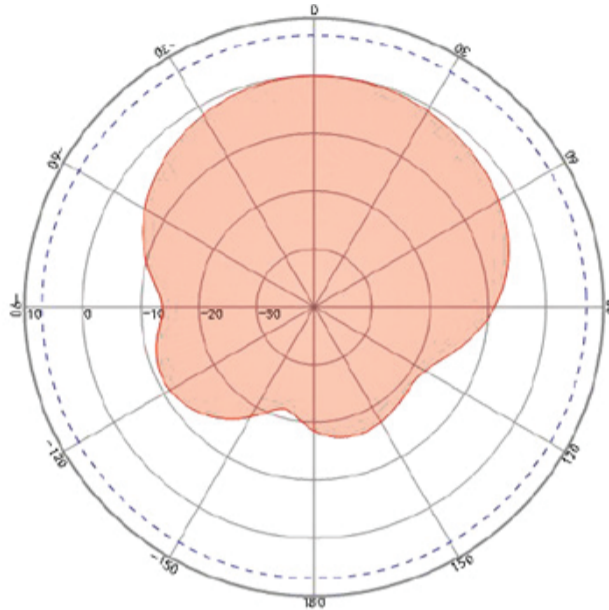
UHF RFID Antenna



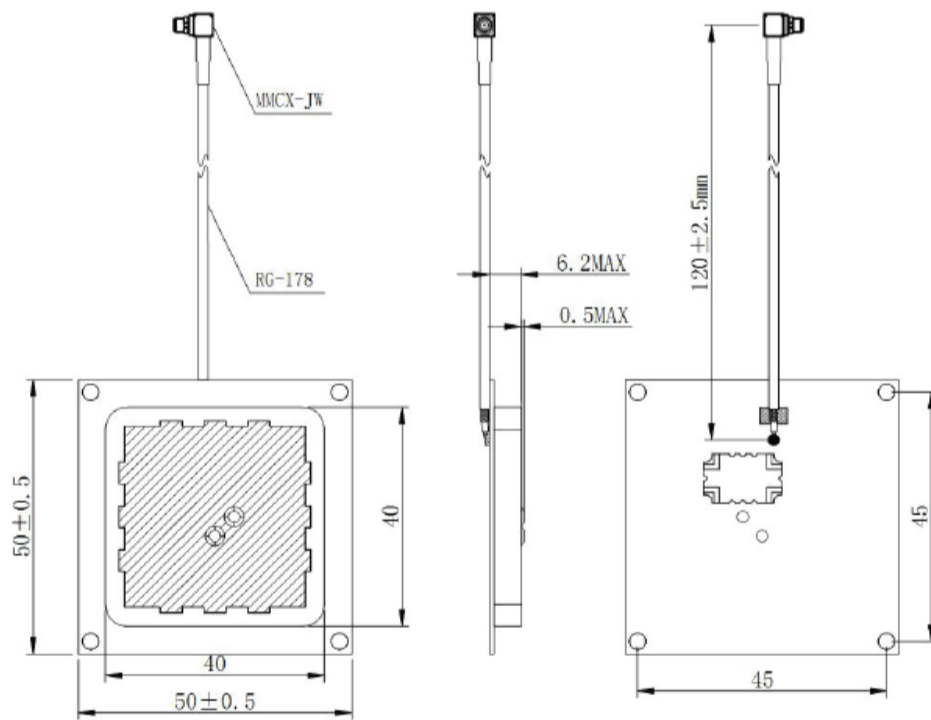
ARRKP5062-S915B

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

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