

# RFID Patch Antenna

**APAES915R6460C16-T**

RoHS/RoHS II compliant



62.5 x 62.5 x 6.0mm

MSL level: Not Applicable

## FEATURES:

- High Gain
- Pin type
- Customization Available
- RoHS Compliance

## TYPICAL APPLICATIONS:

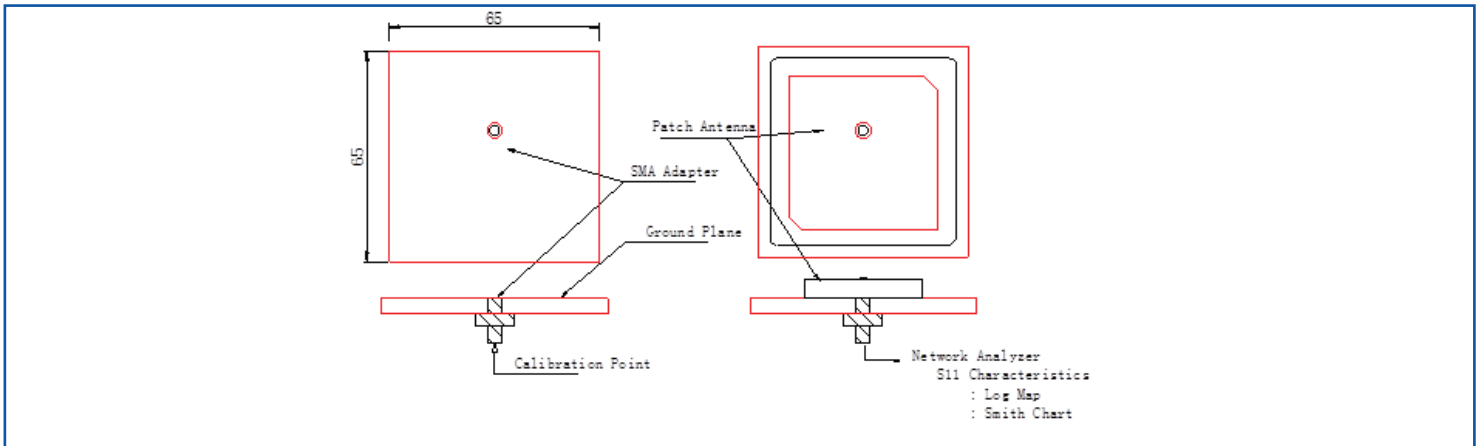
RFID systems for Logistic & Inventory Management of Retail, Pharmaceutical, Automotive Industries; Industrial automation, Contactless smart cards.

## STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Receiving Frequency Range	902.0		928.0	MHz	
Center Frequency (*)	915			MHz	( On a 65*65mm Ground Plane )
Bandwidth	15			MHz	(Return loss $\leq$ 10dB)
Gain		3.5		dBic	(Peak gain on 70*70mm Ground Plane facing Zenith.)
Axial Ratio			3	dB	
VSWR @ Center Frequency	1.5				
Polarization Model	RHCP				(Right Hand Circular Polarization)
Impedance	50			$\Omega$	
Frequency Temperature Coefficient	-10		10	ppm/ $^{\circ}$ C	

(\*) Application environment, including size of the ground plane, proximity to adjacent components, etc., will affect stated performance. Fine tuning might be required when installed on end-customer's PCB. Abracon offers Antenna Optimization Service, please contact Abracon.

## TEST CONDITIONS & TEST SETUP:



## STRUCTURE AND MATERIAL

Description	Material
Antenna Substrate	Dielectric Ceramics
Pin	Copper and tinplated
Electrode	Ag Plated
Ground Plane	Ag Plated
Adhesive Type	NITTO 5000NS

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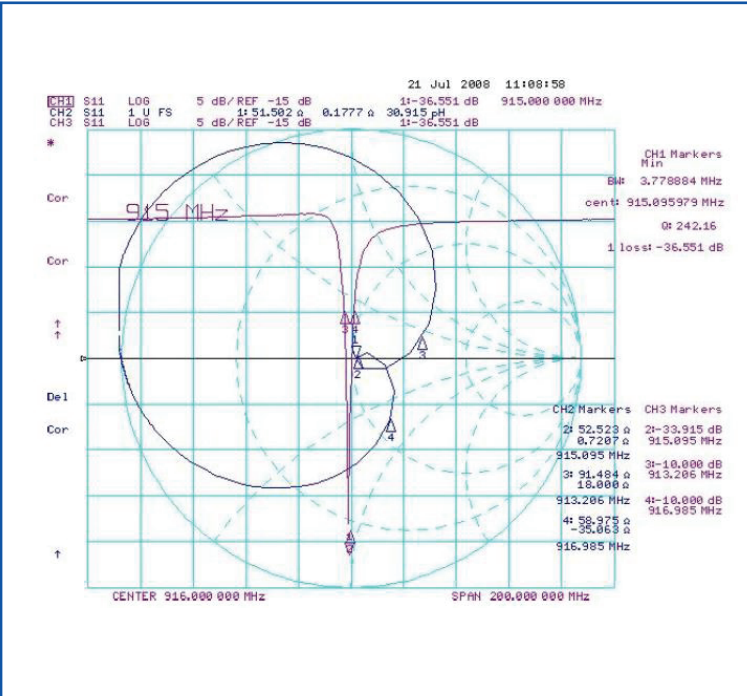
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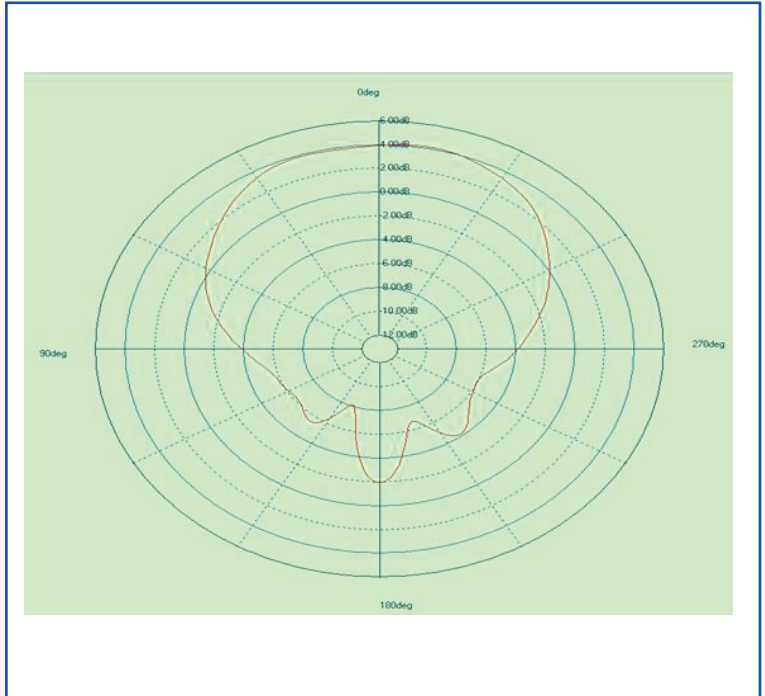


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## SMITH CHART



## RADIATION PATTERN



## OUTLINE DIMENSION:

