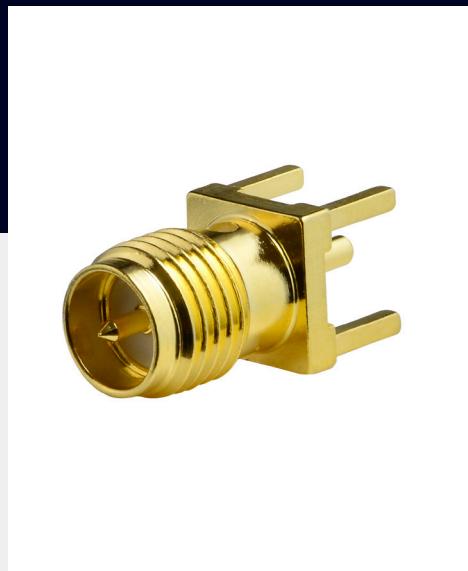


## DATASHEET

### CSMARPJ042 • CONNECTOR



## Description

- RPSMA (F) Jack Straight Connector
- PCB Through Hole Mount
- Dimensions - 13.5mm x 5.1mm

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## 1. Features

A PCB mounted Reverse Polarized (RP) SMA connector  
 Maximum PCB thickness is 1.6mm  
 RPSMA (Female) Straight Jack connector  
 Gold plated for high reliability  
 Rated for >500 cycles of connector insertion

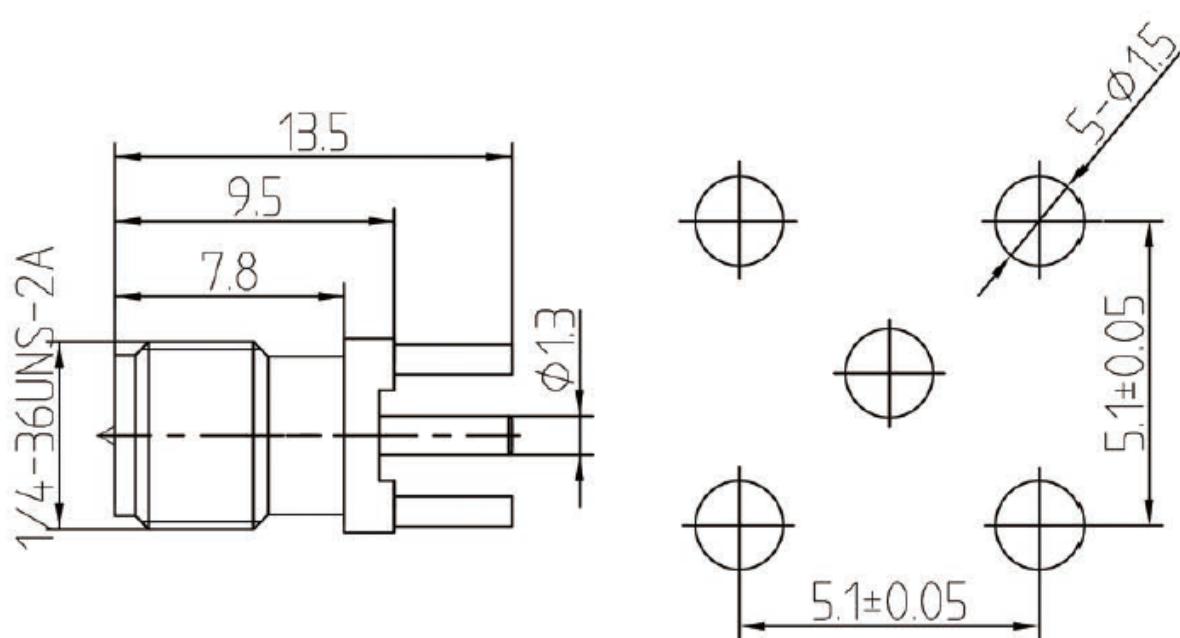
## 2. General data

ELECTRICAL	
<b>Impedance</b>	50Ω
<b>Frequency Range</b>	DC ~ 6GHz
<b>Working Voltage</b>	Max≤335 Vrms
<b>Dielectric Withstanding Voltage</b>	1000 Vrms
<b>Insulation Resistance</b>	≥5000MΩ
<b>Center Contact Resistance</b>	≤3mΩ
<b>Outer Contact Resistance</b>	≤2.5mΩ
<b>VSWR</b>	1.20 : 1
<b>Durability</b>	>500 cycles
MECHANICAL	
<b>Connector Dimensions</b>	13.5mm * 5.1mm
<b>Connector Pin Dimension</b>	1.3mm
<b>Connector Type</b>	RPSMA Jack Straight
ENVIRONMENTAL	
<b>Hazardous Material Regulation</b>	RoHS compliant
<b>Operating Temperature</b>	-55°C to +155°C

### 3. Part number

Part Number – CSMARPJ042

### 4. Drawing



		MATERIAL	FINISH	QTY
1	Body	Brass	Gold	1
2	Insulator	Teflon	White	1
3	Contact Pin	Beryllium Copper	Gold	1

## 5. Hazardous Material Regulation Conformance

The connector has been tested to conform to RoHS requirements.

A certification of conformance is available from Antenova's website.

### Quality statements

Antenova's products conform to REACH and RoHS legislation. For our statements regarding these and other quality standards, please see [antenova.com](http://antenova.com).



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Datasheet version

1.01 release Mar 15 2023

# Antenna design, integration and test resources

Product designers – the details contained in this datasheet will help you to complete your embedded antenna design. Please follow our technical advice carefully to obtain optimum antenna performance.

We aim to support our customers to create high performance wireless products. You will find a wealth of design resources, calculators and case studies to aid your design on our website.

Antenova's design laboratories are equipped with the latest antenna design tools and test chambers. We provide antenna design, test and technical integration services to help you complete your design and obtain the required certifications.

If you cannot find the antenna you require in our product range, please contact us to discuss creating a custom antenna to meet your exact requirements.

Share knowledge with **RF experts** around the world.

**ask.antenova** is a global forum for  
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