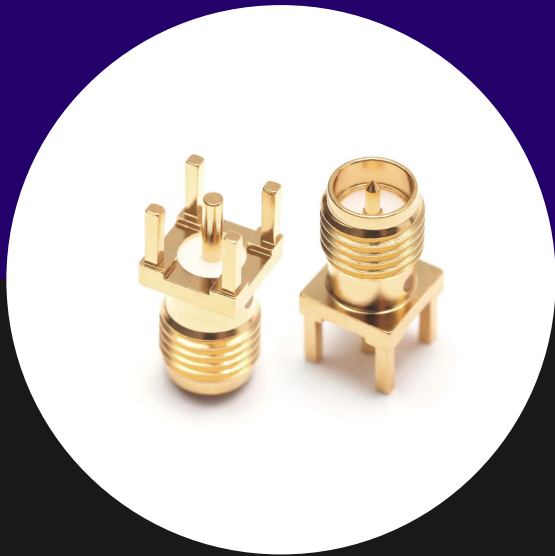


antenna

DATASHEET

CSMARP042

Connector



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

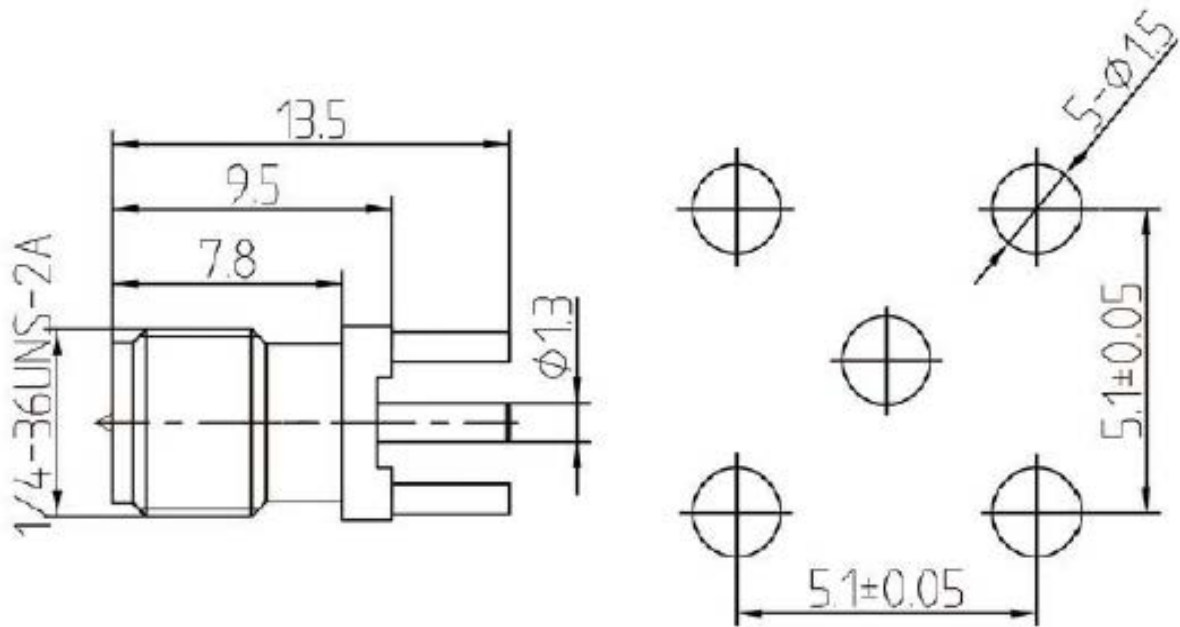
2. General data

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

3. Part number

CSMARPO42

4. Drawing



| Item | Description | Material | Finish | QTY |
|------|-------------|------------------|--------|-----|
| 1 | Body | Brass | Gold | 1 |
| 2 | Insulator | Teflon | White | 1 |
| 3 | Contact pin | Beryllium Copper | Gold | 1 |

Quality statements

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

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Datasheet version

2.01 release 10th June 2026

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.

Antenuova'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.

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