

DATASHEET

ADNS051

RF Adapter



1. Features

RF Adaptor to convert between N Female to SMA Female Bulkhead Adaptor.

Durable connectors with >500 connect/disconnect cycles

Low insertion loss

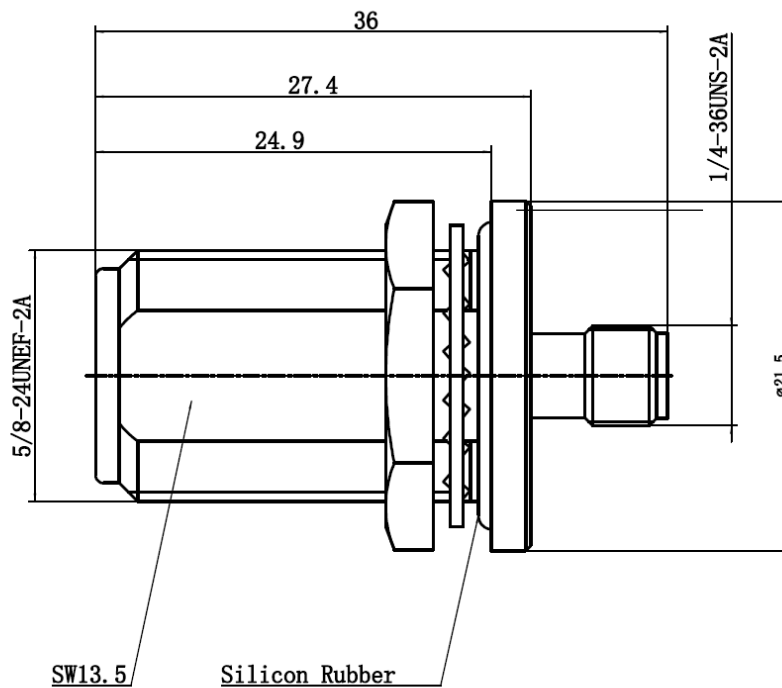
2. General data

| Electrical | |
|---------------------------------|---|
| Impedance | 50Ω |
| Frequency Range | DC ~ 18GHz |
| Dielectric Withstanding Voltage | 1000V |
| VSWR | ≤1.20 |
| Durability | >500 cycles |
| Mechanical | |
| Connector Dimensions | 36mm * Ø21.5mm |
| Connector 1 Type | N Female |
| Connector 2 Type | SMA Female |
| Salt Spray | MIL-STD-202, Method 101, Cycle repeated 96hrs |
| Environmental | |
| Hazardous Material Regulation | RoHS compliant |
| Operating Temperature | -45°c to +125°c |

3. Part Number

Part Number – ADNS051

4. Drawing



| No | Description | Material | Finish | QTY |
|----|------------------|------------------|-------------|-----|
| 1 | Body | Stainless Steel | Passivated | 1 |
| 2 | Insulator | Teflon &Pei | - | 1 |
| 3 | Center conductor | Beryllium-Copper | Gold Plated | 1 |
| 4 | Gasket | Silicone Rubber | - | 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

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Antenova's products conform to REACH and RoHS legislation. For our statements regarding these and other quality standards, please see antenova.com.

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Datasheet version

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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 designers and engineers working with wireless technology

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