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DATASHEET

ADNS052

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

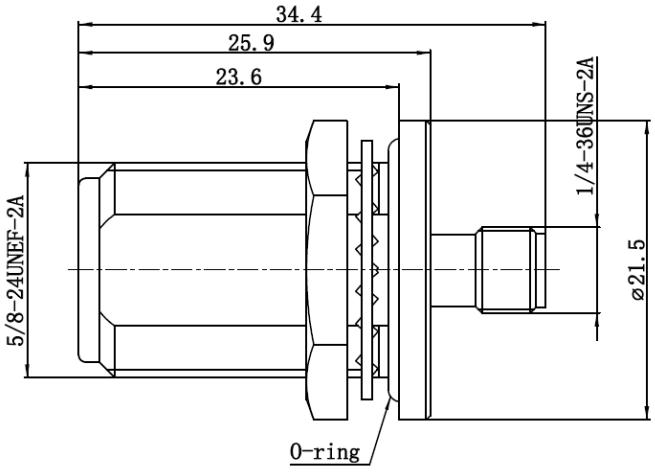
2. General data

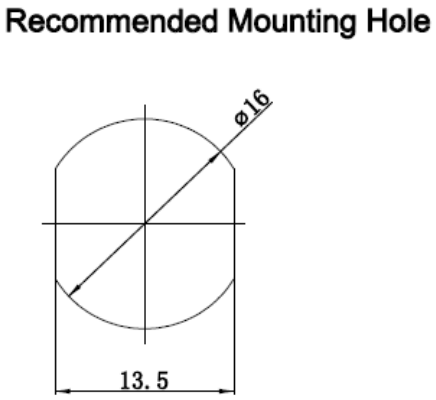
Electrical	
Impedance	50Ω
Frequency Range	DC ~ 11GHz
Dielectric Withstanding Voltage	1000V
Insulation Resistance	≧5000MΩ
VSWR	≦1.20@6GHz
Durability	>500 cycles
Mechanical	
Connector Dimensions	34.4mm * Ø21.5mm
Connector 1 Type	N Female
Connector 2 Type	SMA Female
Salt Spray	MIL-STD-202, Method 101, Cycle repeated 48hrs
Environmental	
Hazardous Material Regulation	RoHS compliant
Operating Temperature	-55°c to +125°c

3. Part Number

Part Number – ADNS052

4. Drawing





No	Description	Material	Finish	QTY
1	Body	Brass	Nickel Plated	1
2	Insulator	Teflon	-	1
3	Contact Pin	Brone	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

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

Datasheet version

1.01 release 11th July 2025

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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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Request a volume quotation for antennas:

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