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## **RF Adapter 4.3-10 Female to N Male**

SKU  
IBC-PT-00025  
MPN  
AD-432N1

### **Description**

The RF Adapter 4.3-10 Female to N Male (SKU: IBC-PT-00025), developed by Powertec, is a high-quality RF adapter designed for seamless connectivity.

Featuring a robust brass body with a white bronze plating and phosphor bronze inner contacts with silver plating, this adapter ensures reliable performance and durability. The PTFE/Teflon insulator provides excellent thermal stability, capable of operating in temperatures ranging from -65 °C to 165 °C.

This adapter supports a frequency range from 0 GHz to 6 GHz, making it versatile for various applications. It boasts a 3rd Order PIM rating of  $\leq -160$  dBc, ensuring minimal interference in signal transmission. The input impedance is 50  $\Omega$ , suitable for standard RF systems. Both connectors, the 4.3-10 Female and N Male, feature a straight body with a free-hanging mounting style, facilitating easy installation.

At 6000 MHz, the adapter demonstrates a VSWR of  $\leq 1.25:1$ , ensuring efficient signal...

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## Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

## RF Connector Interface

| RF Interface           |                        | Body Shape               | Mounting                     |
|------------------------|------------------------|--------------------------|------------------------------|
| <a href="#">4.3-10</a> | <a href="#">Female</a> | <a href="#">Straight</a> | <a href="#">Free Hanging</a> |
| <a href="#">N</a>      | <a href="#">Male</a>   | <a href="#">Straight</a> | <a href="#">Free Hanging</a> |

## RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

PIM, 3rd Order

$\leq -160$  dBc

Input Impedance

50  $\Omega$

VSWR Measurement

**Frequency VSWR**

6000 MHz  $\leq 1.25:1$

# Physical Specification

Body Material

[Brass](#)

Body Plating

[White Bronze](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

39 x 20

Contact Material

[Phosphor Bronze](#)

Contact Plating

[Silver](#)

Min. Operating Temperature

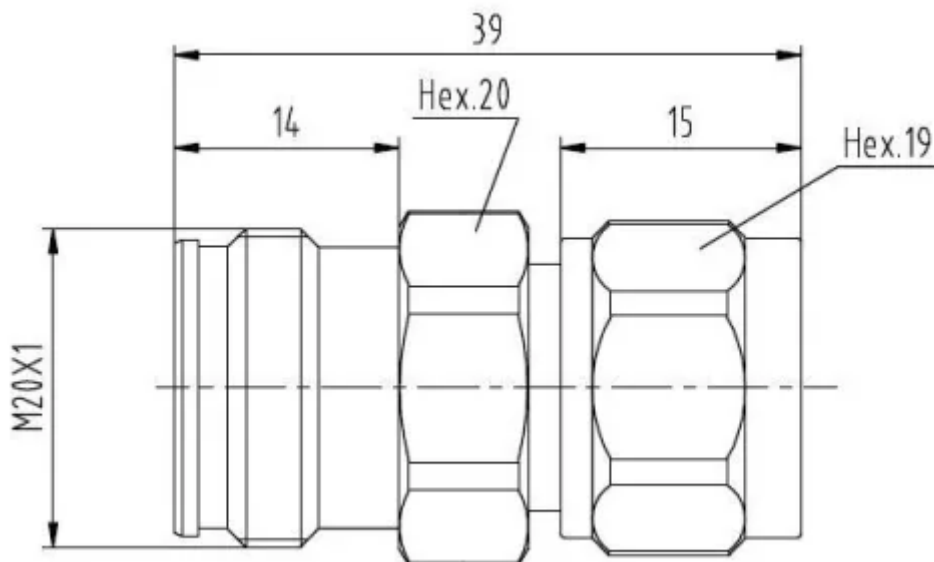
-65 °C

Max. Operating Temperature

165 °C

Drawing

Image



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