

# Powertec Attenuator 20 dB, N Female to Male

SKU: ANT-BH-00050

## Description

The Powertec Attenuator 20 dB, N Female to Male (SKU: ANT-BH-00050), is a high-quality RF passive component designed for precise signal attenuation. It provides a consistent attenuation value of 20 dB across a broad frequency range from 0 MHz to 3000 MHz. This compact unit measures 58x18 mm and features a robust design with an IP60 ingress protection rating, ensuring reliable performance in various environments.

The attenuator is equipped with an N Male input connector and an N Female output connector, making it versatile for integration into different RF systems. It maintains an input impedance of 50  $\Omega$ , suitable for stable signal transmission. This device operates efficiently across a temperature range of -35 °C to 65 °C, catering to diverse operational conditions.

Manufactured by Powertec, a prominent Australian company with extensive expertise in wireless technology and systems integration, this attenuator is part of a comprehensive...

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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 Specification

|                      |          |                   |     |
|----------------------|----------|-------------------|-----|
| Min. Frequency:      | 0 MHz    | Input Impedance:  | 50  |
| Max. Frequency:      | 3000 MHz | Max. Input Power: | 5 W |
| Attenuation (Fixed): | 20 dB    |                   |     |

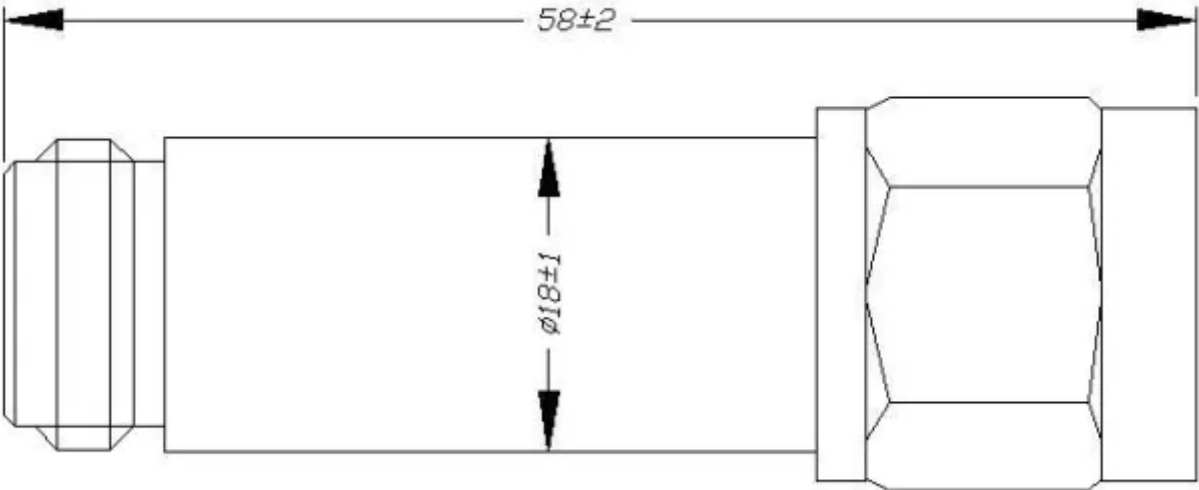
## Port Matrix

| Port Function | RF Interface |
|---------------|--------------|
| Input         | N Male       |
| Output        | N Female     |

# Physical Specification

|                     |            |                             |        |
|---------------------|------------|-----------------------------|--------|
| Input Ports:        | 1          | Min. Operating Temperature: | -35 °C |
| Output Ports:       | 1          | Max. Operating Temperature: | 65 °C  |
| Subtype:            | Attenuator |                             |        |
| Ingress Protection: | IP60       |                             |        |
| Dimensions:         | 58x18      |                             |        |
| Weight:             | 0.06 kg    |                             |        |

Drawing



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