

# Coaxial Fixed Attenuator

**RFHB50XX24C2A**

**DC-50 GHz, 1-30 dB, 2 Watts, 2.4mm, Bidirectional**



Rev 1

## Electrical

|                        |  |           |           |
|------------------------|--|-----------|-----------|
| <b>Impedance</b>       | 50 ohm   |           |           |
| <b>Frequency Range</b> | DC-50 GHz  |           |           |
| <b>VSWR</b>            | 1.3 max  |           |           |
| <b>Input Avg Power</b> | 2W@ 25°C ambient, derating linearly to 0.3W at 100°C                       |           |           |
| <b>Peak Power</b>      | 100W (5 micro-sec pulse width, 1% duty cycle)                              |           |           |
| <b>Direction</b>       | Bidirectional, 2.4mm female to 2.4mm male (other configurations available) |           |           |
| <b>Attenuation(dB)</b> | 1-10   | 20        | 30        |
| <b>Accuracy(dB)</b>    | -1.0/+1.0  | -1.0/+1.2 | -1.0/+1.2 |

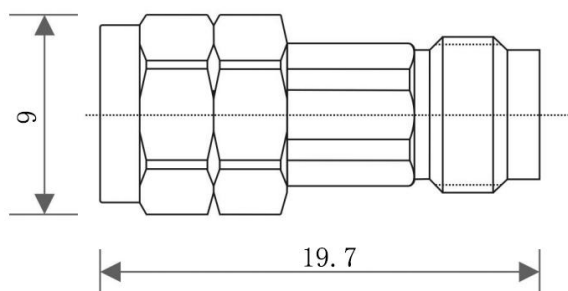
## Mechanical

|                              |                            |
|------------------------------|----------------------------|
| <b>Connector Body</b>        | Passivated stainless steel |
| <b>Female Center Contact</b> | 1.27um Gold plated BeCu    |
| <b>Male Center Contact</b>   | 1.27um Gold plated brass   |
| <b>Net Weight</b>            | Approx 5 g                 |

## Environmental

|                                |                  |
|--------------------------------|------------------|
| <b>Operating Temperature</b>   | -55°C to 100°C   |
| <b>Storage Temperature</b>     | -55°C to 125°C   |
| <b>RoHS</b>                    | Compliant        |
| <b>Temperature Coefficient</b> | <0.0004 dB/dB/°C |

## Dimensions(mm)



## Notes

1.Customized dB values, outlines and optimal accuracy/VSWR available.

## Model Description

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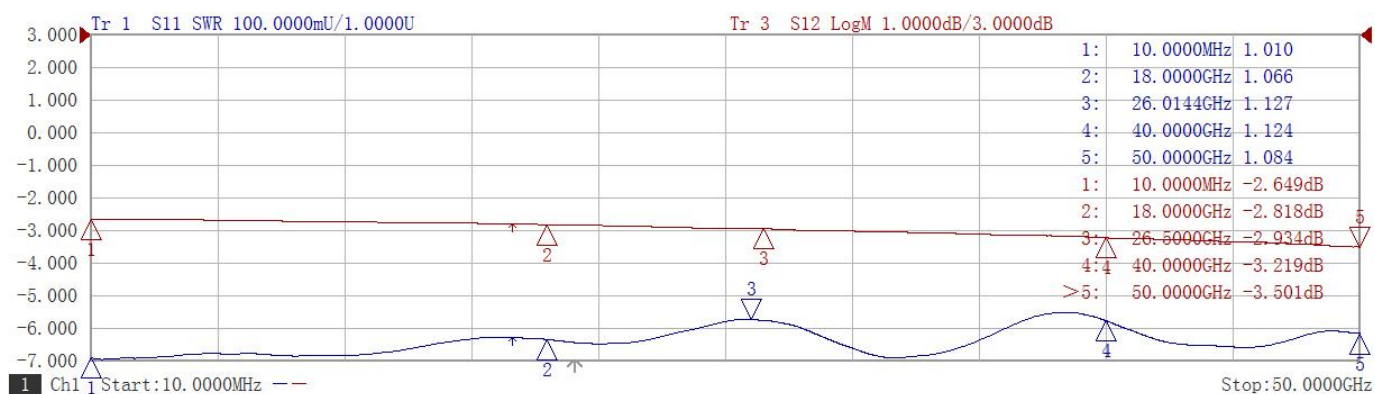
1.XX for dB value: 06=6dB,30=30dB

2.Code for connector configuration:

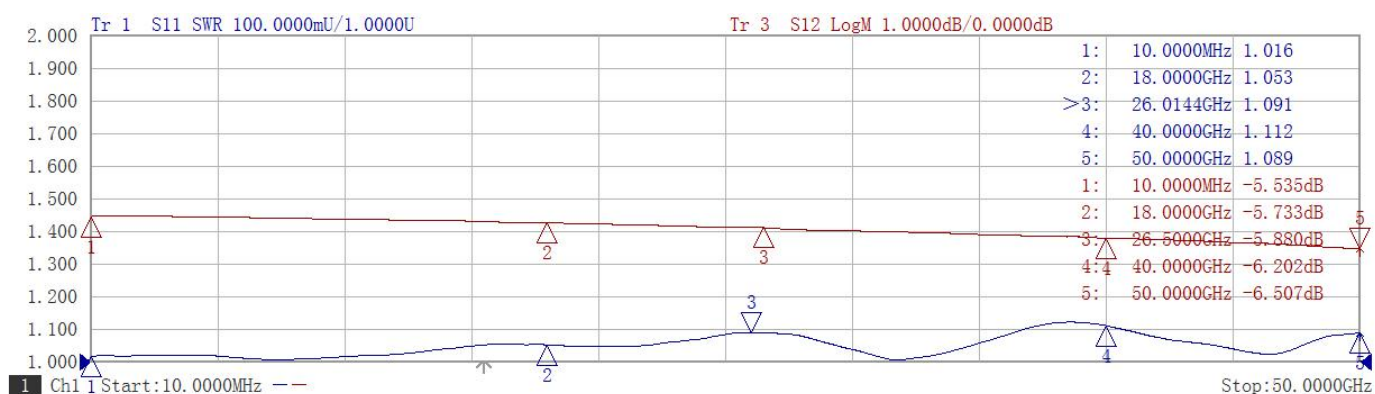
A=female for two ends; B=male for two ends

C=female for one end and male for the other.

### 3dB



### 6dB



### 10dB



### 30dB

