

# Coaxial Fixed Attenuator

# RFHB03XXQC2

DC-3 GHz, 1-50 dB, 2 Watts, QMA, Bidirectional



Rev 3

### Electrical

|                        |  |  |  |  |
|------------------------|--|--|--|--|
| <b>Impedance</b>       | 50 ohm   |  |  |  |
| <b>Frequency Range</b> | DC-3 GHz   |  |  |  |
| <b>VSWR</b>            | 1.2 max  |  |  |  |
| <b>Input Avg Power</b> | 2W@ 25°C ambient, derating linearly to 0.2W at 100°C                   |  |  |  |
| <b>Peak Power</b>      | 250W (5 micro-sec pulse width, 0.4% duty cycle)                        |  |  |  |
| <b>Direction</b>       | Bidirectional, QMA female to QMA male (other configurations available) |  |  |  |

|                        |      |      |      |       |
|------------------------|------|------|------|-------|
| <b>Attenuation(dB)</b> | 1-10 | 20   | 30   | 40,50 |
| <b>Accuracy(dB)</b>    | ±0.4 | ±0.5 | ±0.7 | ±0.7  |

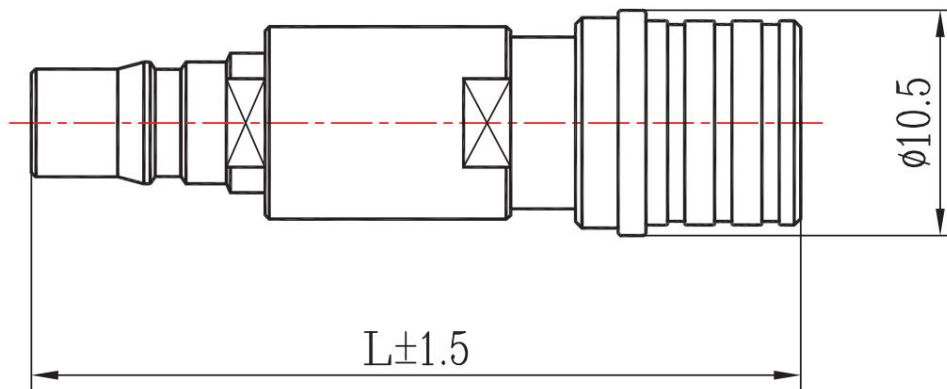
### Mechanical

|                       |                                    |
|-----------------------|------------------------------------|
| <b>Connector Body</b> | Ternary alloy plated brass         |
| <b>Heat Sink</b>      | N/A                                |
| <b>Center Contact</b> | Gold plated beryllium copper/brass |
| <b>Net Weight</b>     | About 7 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)



L=36 (1-30dB)  
L=39 (40,50dB)

### Notes

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

### Model Description

#### RFHB03XXQC2

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.