

# Coaxial Fixed Attenuator

**RFHB12XXSC5**

**DC-12.4 GHz, 1-60 dB, 5 Watts, SMA, Bidirectional**



Rev 4

## Electrical

Impedance	50 ohm				
Frequency Range	DC-12.4 GHz				
VSWR	1.2 max				
Input Avg Power	5W@ 25℃ ambient, derating linearly to 0.5W at 100℃				
Peak Power	500W (5 micro-sec pulse width, 0.5% duty cycle)				
Direction	Bidirectional, SMA female to SMA male (other configurations available)				
Attenuation(dB)	1-10	20	30	40	50, 60
Accuracy(dB)	±0.5	±0.5	±0.6	±0.8	±1.0

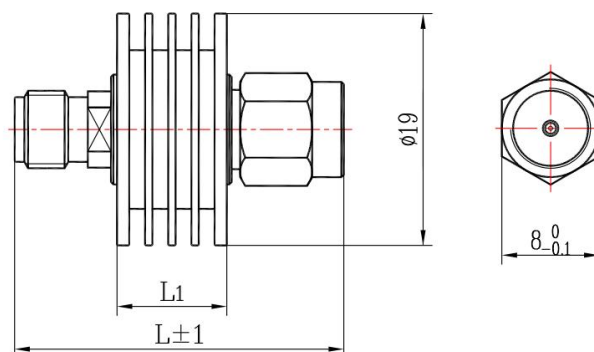
## Mechanical

Connector Body	Passivated stainless steel
Heat Sink	Black anodized aluminum
Center Contact	Gold plated beryllium copper/brass
Net Weight	About 10 g

## Environmental

Operating Temperature	-55℃ to 100℃
Storage Temperature	-55℃ to 125℃
RoHS	Compliant
Temperature Coefficient	<0.0004 dB/dB/℃

## Dimensions(mm)



1-20dB: L1=9, L=27

30-60dB: L1=12, L=30

## Notes

- 1.To maintain best performance, recommended to use fan to keep the case temperature under 85℃.
- 2.Customized dB values, outlines and optimal accuracy/VSWR available.

## Model Description

### RFHB12XXSC5

- 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.