

## Coaxial Fixed Attenuator

**RFH18XXSD20**

DC-18 GHz, 1-40 dB, 20 Watts, SMA, Unidirectional



Rev 1

### Electrical

Impedance	50 ohm			
Frequency Range	DC-18 GHz			
VSWR	1.45 max			
Input Avg Power	20W@ 25°C ambient, derating linearly to 2W at 100°C			
Peak Power	500W (5 micro-sec pulse width, 1% duty cycle)			
Direction	Unidirectional, SMA male input, SMA female output (other configurations available)			
Attenuation(dB)	1-10	11-20	21-30	31-40
Accuracy(dB)	±0.6	±0.8	±1.0	±1.2

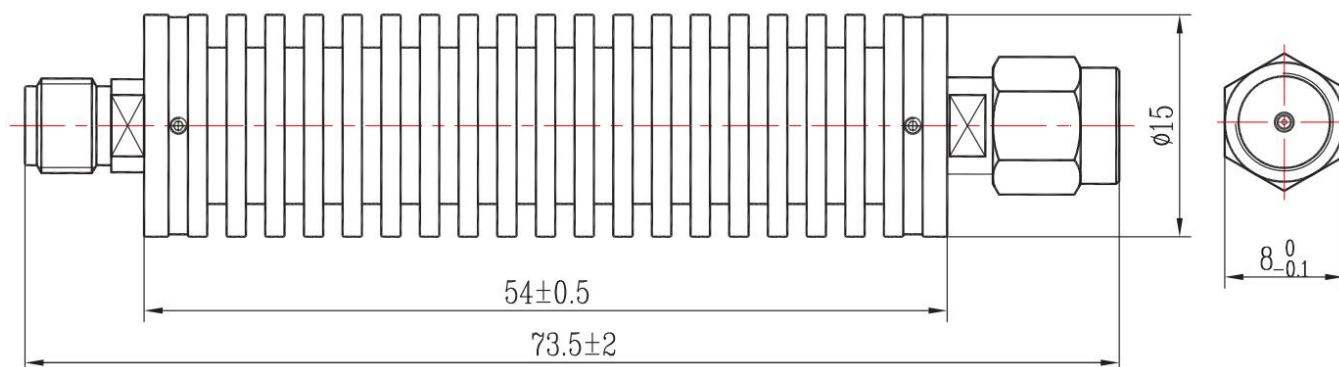
### Mechanical

Connector Body	Passivated stainless steel
Heat Sink	Black anodized aluminum
Center Contact	Gold plated beryllium copper/brass
Heat Sink Size	54(L)*15(φ)

### Environmental

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

### Dimensions(mm)



### Notes

1. Always pay attention to the direction of attenuators.
2. To maintain best performance, recommended to use fan to keep the case temperature under 85°C.
3. Customized dB values, outlines and optimal accuracy/VSWR available.

### Model Description

#### RFH18XXSD20

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 input and male for output;  
D=male for input and female for output.