

Coaxial Fixed Attenuator

RFH12XXSD30

DC-12.4 GHz, 1-60 dB, 30 Watts, SMA, Unidirectional



Rev 1

Electrical

Impedance	50 ohm					
Frequency Range	DC-12.4 GHz					
VSWR	1.3 max					
Input Avg Power	30W@ 25°C ambient, derating linearly to 3W at 100°C					
Peak Power	500W (5 micro-sec pulse width, 3% duty cycle)					
Direction	Unidirectional, SMA male input, SMA female output (other configurations available)					
Attenuation(dB)	1-10	11-20	21-30	31-40	41-50	51-60
Accuracy(dB)	±0.6	±0.7	±0.8	±0.9	±1.1	±1.4

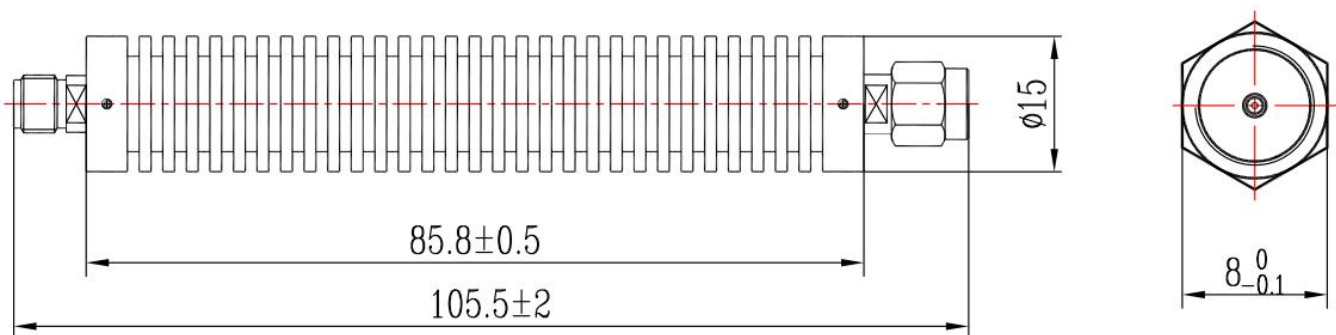
Mechanical

Connector Body	Passivated stainless steel
Heat Sink	Black anodized aluminum
Center Contact	Gold plated beryllium copper/brass
Weight	Approx 40g

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

RFH12XXSD30

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.