Coaxial Fixed Attenuator RFH12XXND600-F

DC-12.4 GHz, 10-60 dB, 600 Watts, N, Unidirectional, Forced air cooled

Rev 1

Electrical

Impedance	50 ohm
Frequency Range	DC-12.4 GHz
VSWR	1.35 max
Input Avg Power	600W@ 25℃ ambient, derating linearly to 60W at 100℃
Peak Power	5kW (5 micro-sec pulse width, 2% duty cycle)
Direction	Unidirectional, N male input, N female output (other configurations available)

Attenuation(dB)	10	20	30	40	50	60
Accuracy(dB)	±5.0	±5.0	±3.0	±1.2	±1.2	±1.2

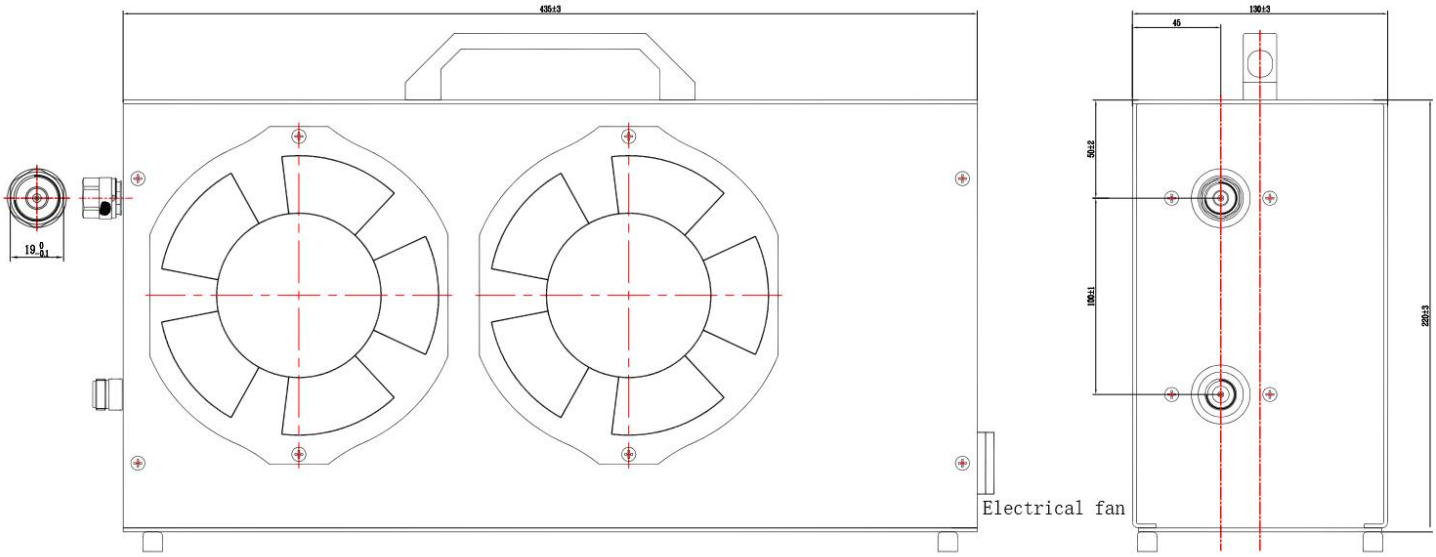
Mechanical

Connector Body	Ternary alloy plated brass
Heat Sink	Black anodized aluminum
Center Contact	Gold plated beryllium copper/brass
Weight	Net: 7.5kg Gross: 9kg

Environmental

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

Dimensions(mm)



Coaxial Fixed Attenuator RFH12XXND600-F

DC-12.4 GHz, 10-60 dB, 600 Watts, N, Unidirectional, Forced air cooled

Rev 1

Model Description

RFH12XXND600-F

1.XX for dB value: 20=20dB, 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.

Notes

1.Always pay attention to the direction of attenuators.

2. Addtional transformer and plug adapter available upon request.

3. Switch on the electrical fan once the attenuator is in operation.

Instructions and Warnings

The following instructions and warnings are applicable to fan-cooled 18GHz 600 W Unidirectional Attenuator.

1. Check input and output impedance before each operation. The impedance should be within 50Ω±2Ω.

2. Keep the air cooling fan running during operation.

3. Turn on system power starting from low power such as 60 W, and increase the power step by step.

4. Total input average power must be lower than specified average power 600W and peak power 1000W. Check if there is additional lower frequency signal input besides the primary signal.

5. Before disconnect the attenuator, make sure turn off all the power (RF power and DC power) first.

6. This is unidirectional attenuator. Do not connect output port to input.

8. Check the signal source and termination etc. in the system are all in proper operation.

9. For Indoor use only, prevent shock, vibration and humidity.

10. Protect the connectors by dust caps when unused.