

# **Coaxial Fixed Attenuator**

### RFHB50XX24C8



# DC-50 GHz, 1-40 dB, 8 Watts, 2.4mm, Bidirectional

Rev 3

### **Electrical**

Impedance	50 ohm			
Frequency Range	DC-50 GHz			
VSWR	1.34 max			
Input Avg Power	8W@ 25 $^\circ$ C ambient, derating linearly to 1W at 100 $^\circ$ C			
Peak Power	100W (5 micro-sec pulse width, 3% duty cycle)			
Direction	Bidirectional, 2.4mm female to 2.4mm male (other configurations available)			
Attenuation(dB)	1-3	4-8	9-25	26-40
Accuracy(dB)	-0.7/+1.0	-0.8/+1.2	-0.8/+0.8	-0.9/+1.2

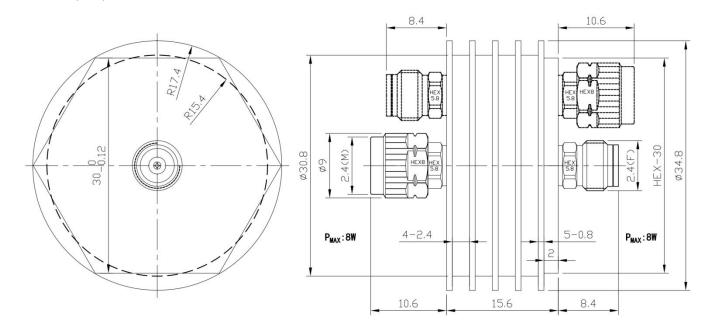
### Mechanical

Connector Body	Passivated stainless steel	
Heat Sink	Black anodized aluminum	
Center Contact	1.27um Gold plated BeCu	
Net Weight	Approx 38 g	

### **Environmental**

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

### Dimensions(mm)



### **Notes**

- 1.To maintain best performance, recommended to use fan to keep the case temperature under  $85\,^\circ\!\mathbb{C}\,.$
- 2.Customized dB values, outlines and optimal accuracy/VSWR available.

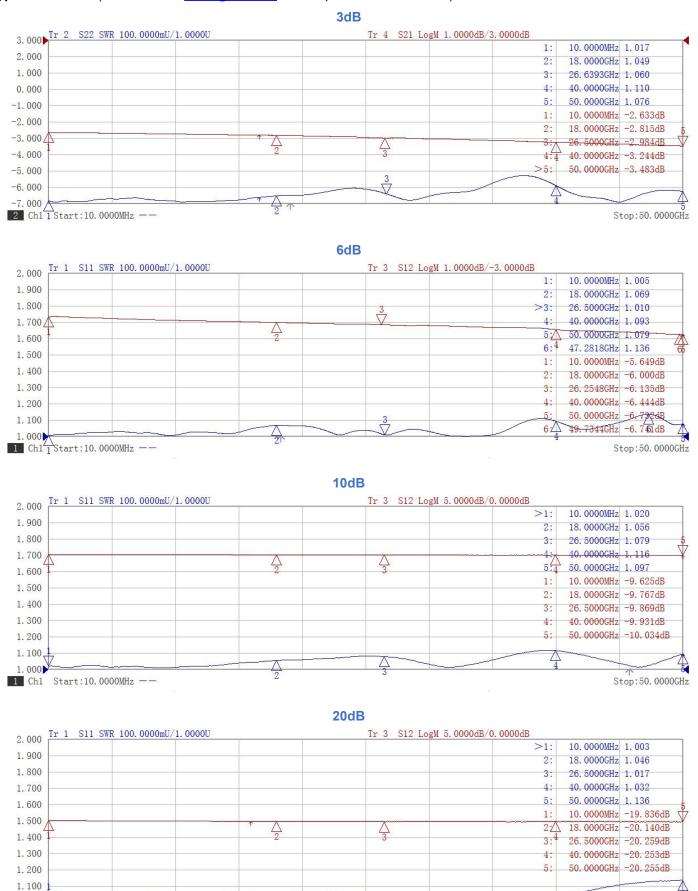
### **Model Description**

## RFHB50<u>XX</u>24<u>C</u>8

- 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.

### Typical Test Data(Contact us at <a href="mailto:sales@rfone.cn">sales@rfone.cn</a> for test plots of more models)



Stop: 50. 0000GHz

1.000

1 Ch1 Start:10.0000MHz --