

Coaxial Fixed Attenuator

RFH40XX292D35



DC-40 GHz, 10-40 dB, 35 Watts, 2.92mm, Unidirectional

Rev 3

Electrical

Impedance	50 ohm			
Frequency Range	DC-40 GHz			
VSWR	1.3 max			
Input Avg Power	35W@ 25℃ ambient, derating linearly to 3.5W at 100℃			
Peak Power	200W (5 micro-sec pulse width, 8% duty cycle)			
Direction	Unidirectional, 2.92mm male input, 2.92mm female output (other configurations available)			
Attenuation(dB)	10	20	30	40
Accuracy(dB)	-2 0/+2 2	-1 5/+1 8	-1 5/+1 8	-1 5/+1 8

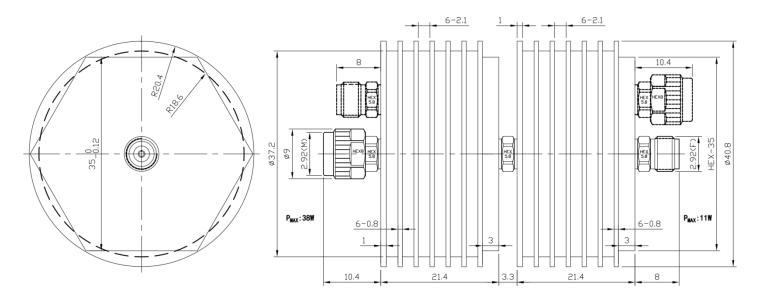
Mechanical

Connector Body	Passivated stainless steel	
Heat Sink	Black anodized aluminum	
Center Contact	1.27um Gold plated BeCu	
Net Weight	About 140 g	

Environmental

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

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.

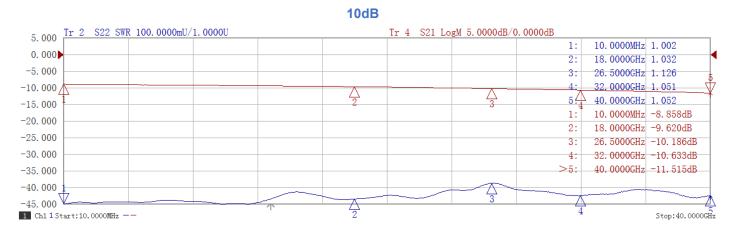
Model Description

RFH40XX292D35

- 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.

Typical Test Data(Contact us at sales@rfone.cn for test plots of more models)

1.000



20dB S11 SWR 100.0000mU/1.0000U Tr 3 S12 LogM 1.0000dB/-20.0000dB 2.000 10.0000MHz 1.008 1.900 2: 18. 0000GHz 1. 050 1.800 26. 5000GHz 1. 087 4: 5:⁴ 32. 0000GHz 1. 089 1.700 40.0000GHz 1.132 1.600 >6: 24. 4664GHz 1. 175 1.500 1: 10.0000MHz -19.377dB 1.400 18. 0000GHz -19. 939dB 9. 1.300 3: 26. 5000GHz -20. 394dB 1.200 4: 32.0000GHz -20.544dB 40.0000GHz -21.055dB 1.100 39. 3002GHz -21. 113dB

