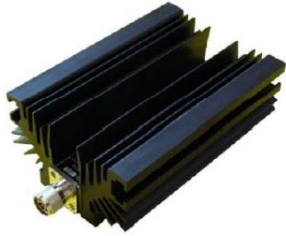


## 200W High Power Fixed Attenuator



### Product Description

RFS200GXB is a high power fixed attenuator.

The max average power of the attenuator is 200W.

The working temperature of this product is between - 40°C and + 85°C.

### Features

- Wide frequency Band
- Low VSWR
- Multiple Attenuation Values Available

### Typical Applications

- Wireless Infrastructure
- Military and Aerospace Applications
- Test Instrumentation
- Radar Systems
- 5G Wireless Communications
- Microwave Radio Systems
- TR Modules
- Research and Development
- Cellular Base Stations

### Electrical Specifications (T<sub>A</sub>=+25°C)

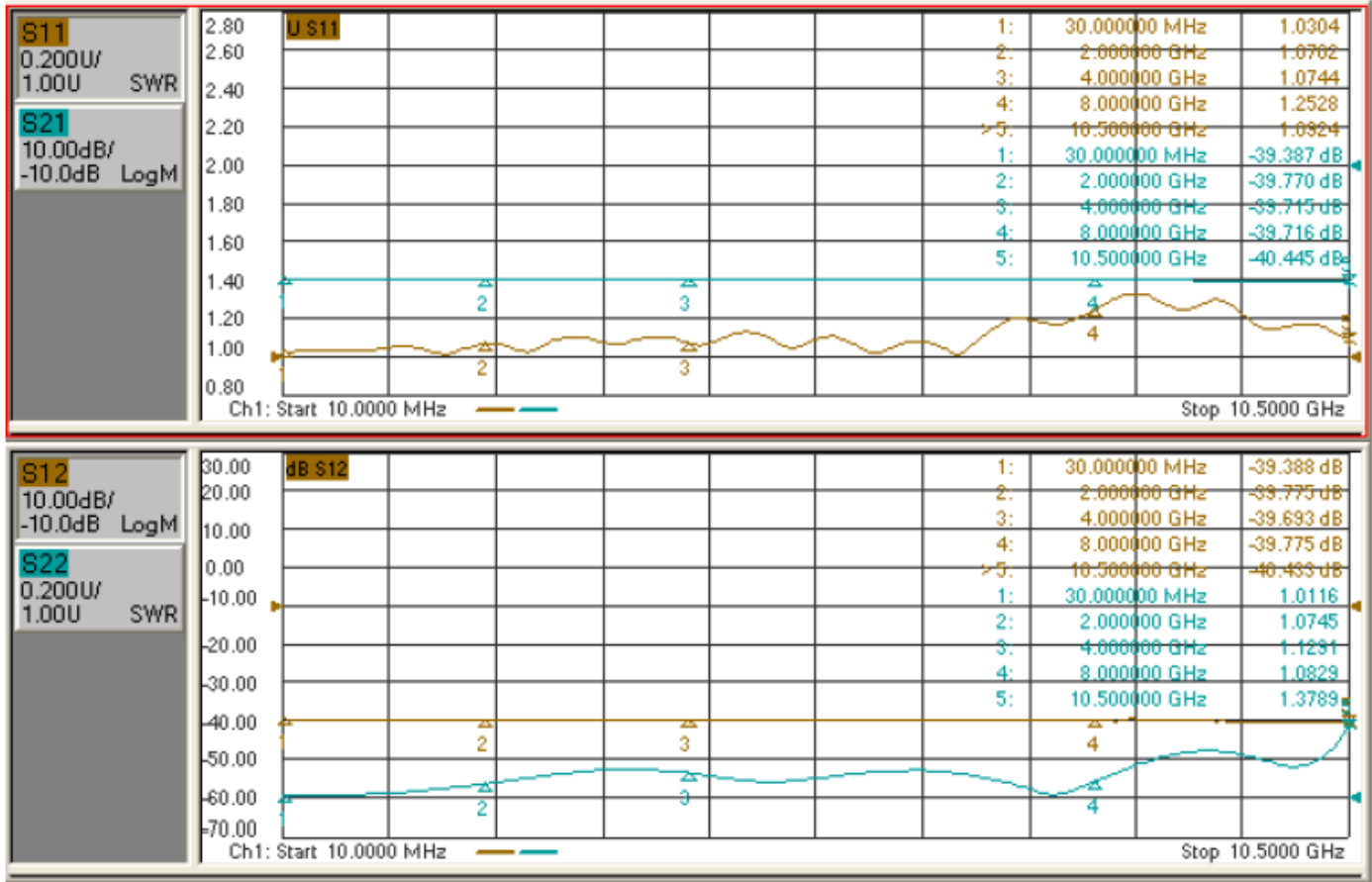
Parameter	Frequency (GHz)	VSWR (max.)	Attenuation Accuracy (dB)					Power (CW)	Peak Power(KW) (0.5% Duty Cycle, 5us Pulse Width)
			10	20	30	40	50		
RFS200G6B	DC-6	1.30	/	±0.60	±0.50	±0.50	±0.70	200	5
RFS200G8B	DC-8	1.35	/	±0.75	±0.75	±0.75	±0.1	200	5
RFS200G10B	DC-10	1.45	/	±1.0	±1.0	±1.0	±1.5	200	5
Impedance	50Ω								
Weight	4.85lbs.								
Connectors	N (Male or Female)								

**Environmental Specifications and Test Standards**

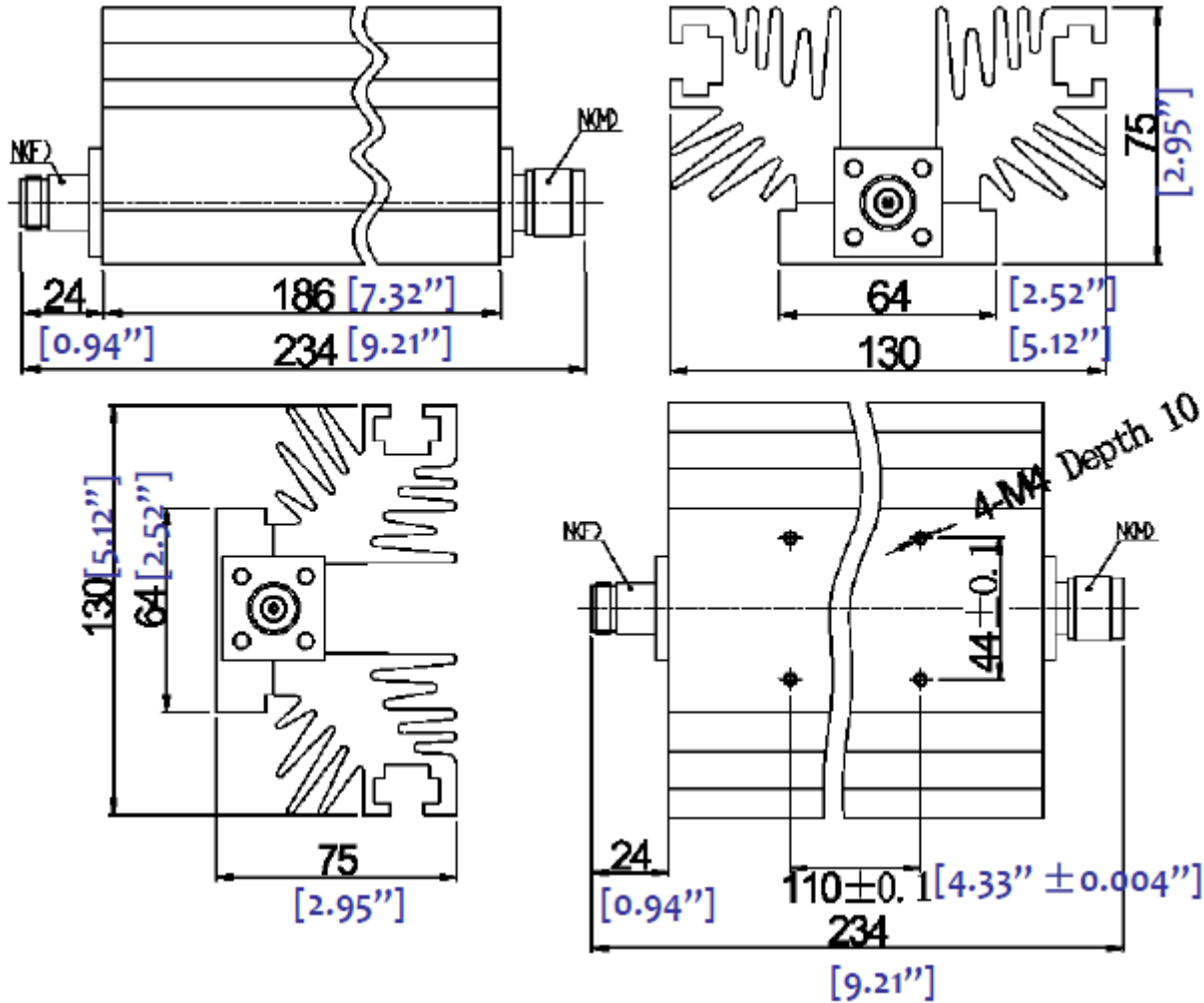
Parameter	Description
Operational Temperature	-40°C to +85°C (Case Temperature)
Storage Temperature	-55°C to +125°C
Thermal Shock	-40°C → +85°C (5 Cycles / 10 hours)
**Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883 (For Hermetically Sealed Units)

\*\*For vibration testing details please see additional information section.

Typical Performance Plots

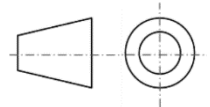


**Outline Drawing**



Notes:

1. Finish: Body painted with gray/black epoxy enamel
2. All dimensions are in millimeters [inches].
3. Tolerances ±0.25 [0.01] unless otherwise specified.



Additional Information

Documentation	Webpage
ESD Policy	<a href="https://rflambda.com/pdf/rflambda_esd_control.pdf">https://rflambda.com/pdf/rflambda_esd_control.pdf</a>
Connector Torque Specifications	<a href="https://www.rflambda.com/pdf/Torque_Specifications.pdf">https://www.rflambda.com/pdf/Torque_Specifications.pdf</a>
Random Vibration Test Standard	<a href="https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf">https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf</a>

**Ordering Information**

Part Number	Modification	Description
RFS200GXB	N (Male or Female)	200W High Power Fixed Attenuator

**Important Notice**

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