1~2 KW High Power Fixed Attenuator
DC-3GHz

Features

- Low VSWR
- High Power
- Optimized for Pulsed Applications
- Fan Tray Included

Typical Applications

- Microwave Signal Attenuation.
- Test and Measurement.
- Wireless Infrastructure.

Electrical Specifications, 25°C

Part Number	Frequency Range	VSWR	Attenuation (dB)	Attenuation Accuracy (dB)	Power * (CW)	Peak Power* (KW)	Impedance (Ω)
RFS1000G3	DC-3GHz	1.4	40, 50	±2	1000W	10 5us Pulse Width 5% duty cycle	50
RFS1500G3					1500W		
RFS2000G3					2000W		

** Other attenuation values possible. Please inquire.*

*** Detailed working conditions to be confirmed before order is finalized. Peak Power, Pulse Width, Duty Cycle and how long the attenuator will operate at one time.*

Mechanical Specifications

Weight	32Kg
Coaxial Connector	N or 7/16 (Male or Female)
Size	570×170×410mm
Finish	Black Epoxy Enamel

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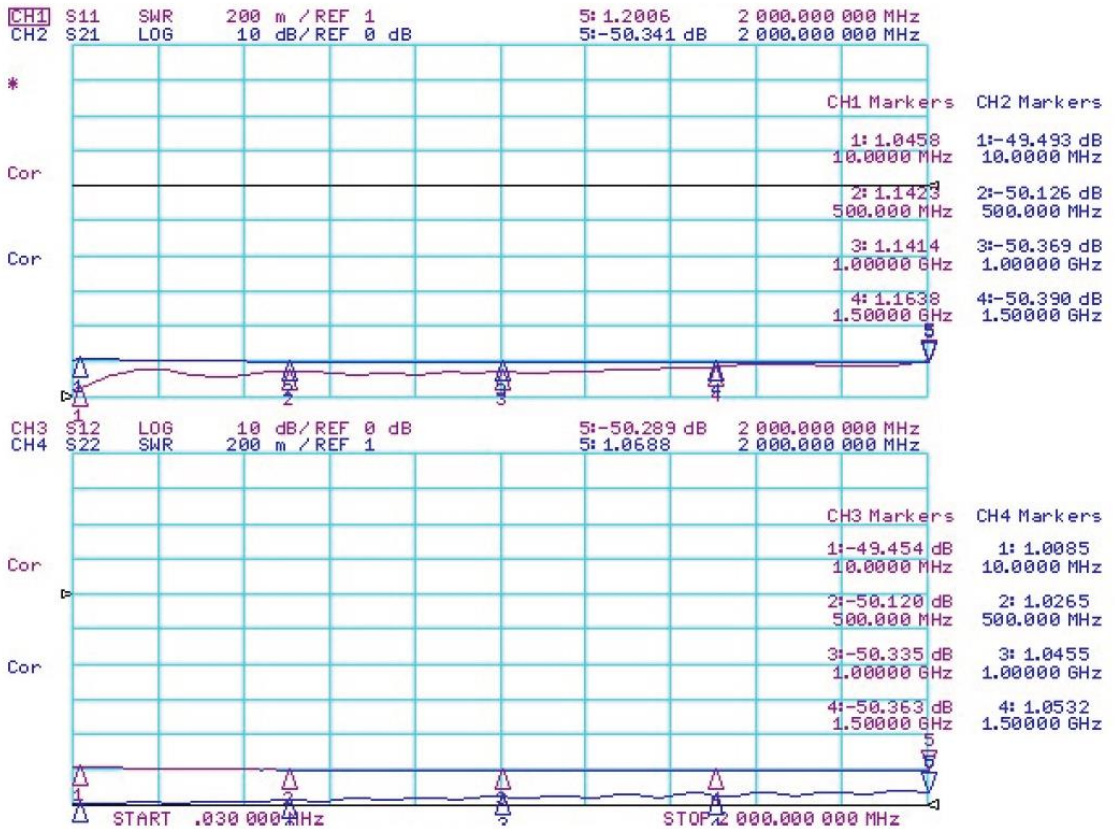
Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40℃~+85℃
Storage Temperature	-55℃~+125℃
Thermal Shock	-40℃ → +85℃ (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℃ 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)

Typical Performance Plots

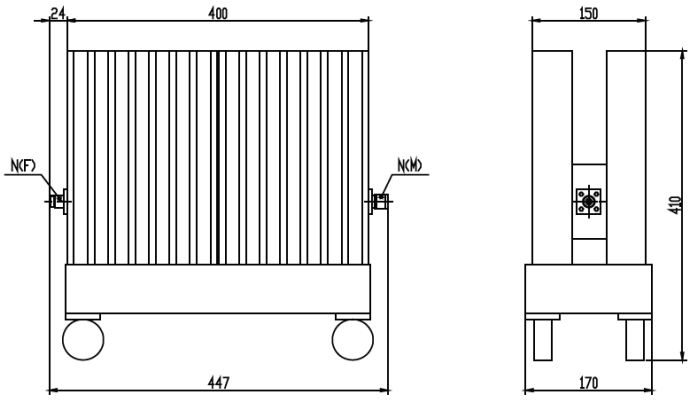


Outline Drawing

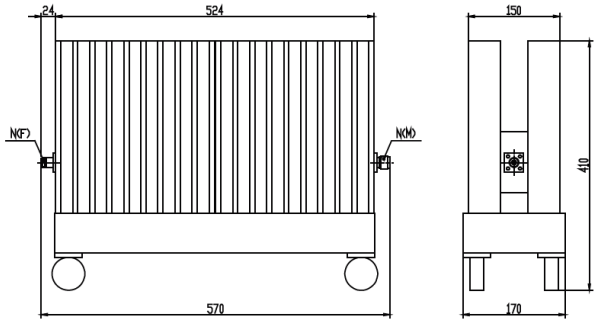
All Dimensions in mm [inches]

AC powered fans included (Default 110V)

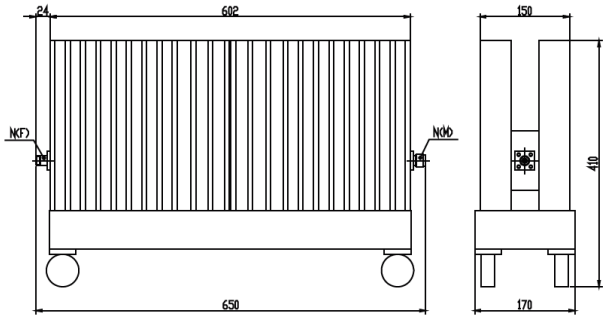
RFS1000G3



RFS1500G3



RFS2000G3



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