1KW High Power Fixed Attenuator

Features

- Low VSWR
- High Power
- Optimized for Pulsed Applications
- A version (Attenuator Only)
- B version (Includes Fans)
- C version (Includes Fans)

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)
RFS1000G02	DC-2GHz	1.35	50*	±1.8	1000W	5** 5us pulse width 5% duty cycle	50
RFS1000G04	DC-4GHz						
RFS1000G06	DC-6GHz	1.45		±2 (50dB) -1 / +6 (40dB)			

** 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	Type A: 15.1Kg Type B: 27.2Kg Type C:
Coaxial Connector	N or 7/16 (Male or Female)
Size	Type A 822×130×130mm Type B 826×128×392mm Type C 775×200×416mm
Finish	Black Epoxy Enamel

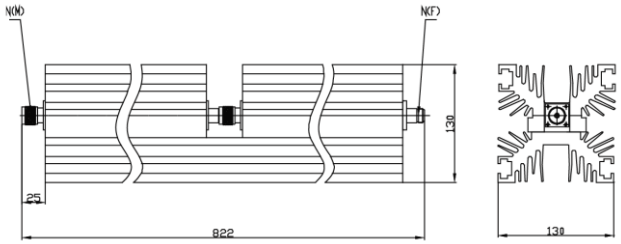
Environmental Specifications and Test Standards

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)

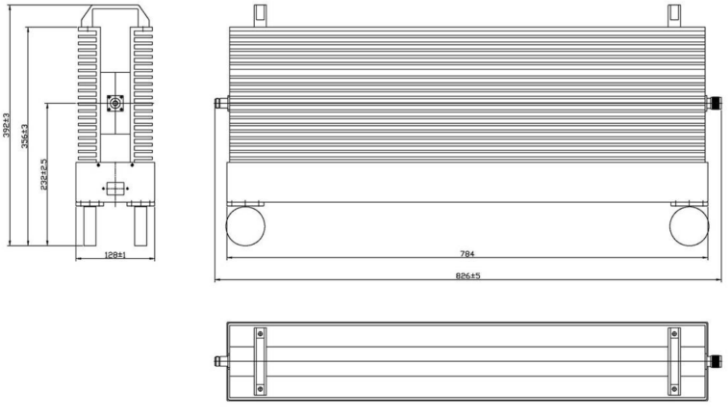
Outline Drawing

All Dimensions in mm [inches]

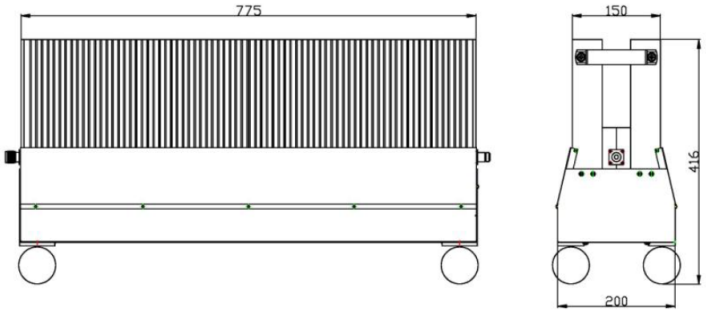
Type A – No fans included, but airflow mandatory for operation



Type B – AC powered fans included.



Type C – Vertical Fins AC powered fans included



Important Notice