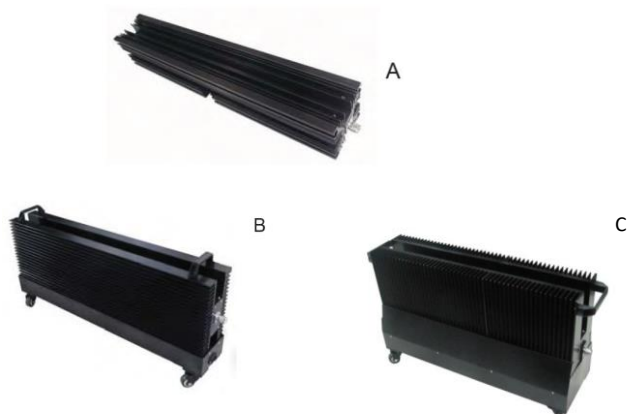


1KW High Power Fixed Attenuator



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 | | | ±2 (50dB) -1 / +6 (40dB) | | | |
| RFS1000G06 | DC-6GHz | 1.45 | | | | | |

* 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 |

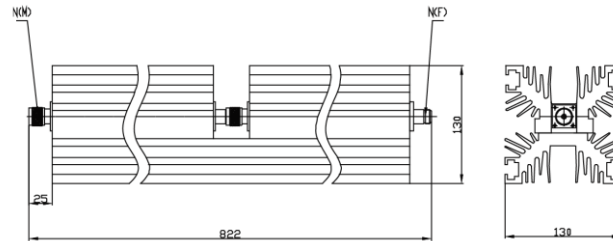
Environmental Specifications and Test Standards

| Parameter | Description |
|--------------------------------|---|
| Operational Temperature | -40°C~+85°C |
| Storage Temperature | -55°C~+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) |

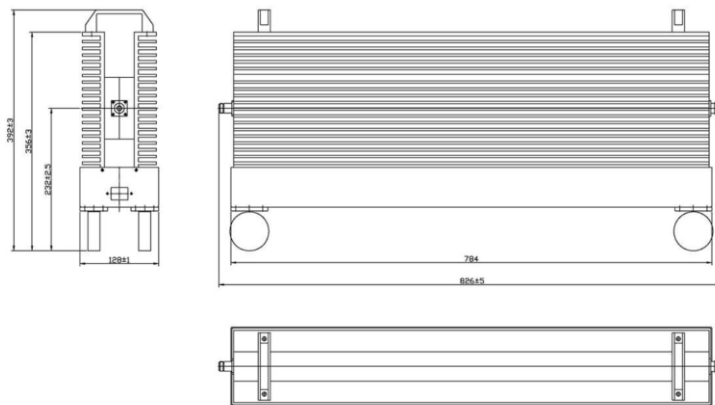
Outline Drawing

All Dimensions in mm [inches]

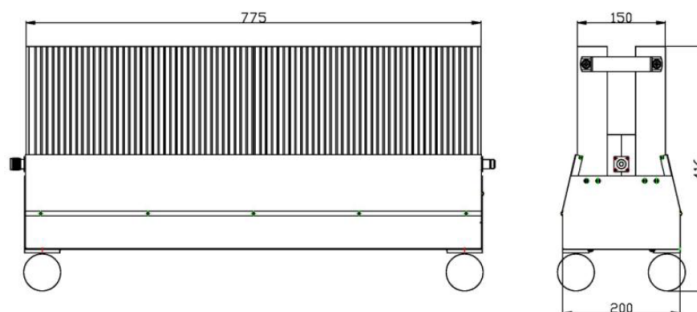
Type A – No fans included, but airflow mandatory for operation



Type B – AC powered fans included.



Type C – Vertical Fins AC powered fans included



Important Notice

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