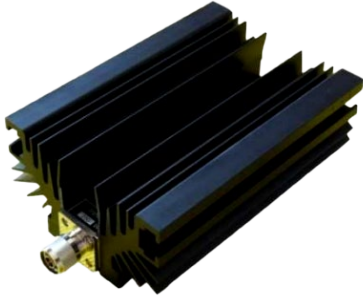


250W High Power Fixed Attenuator DC-6GHz



Features

- Low VSWR
- High Power

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) |
|-------------|-----------------|------|------------------|---------------------------|------------|----------------|---------------|
| RFS250G6B | DC-6GHz | 1.30 | 20 | ±0.6 | 250 | 5 | 50 |
| | | | 30 | ±0.5 | | | |
| | | | 40 | ±0.5 | | | |

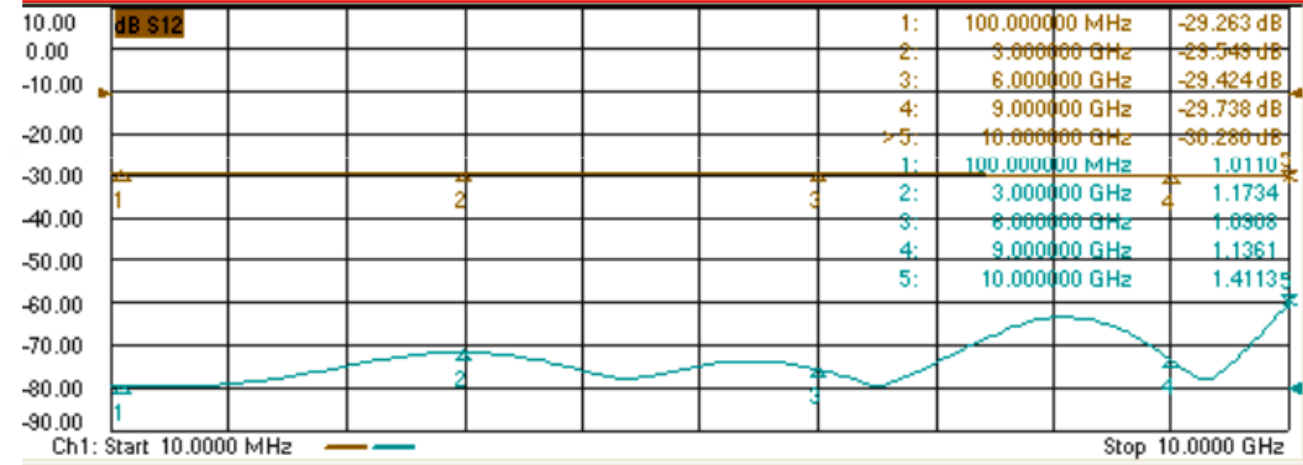
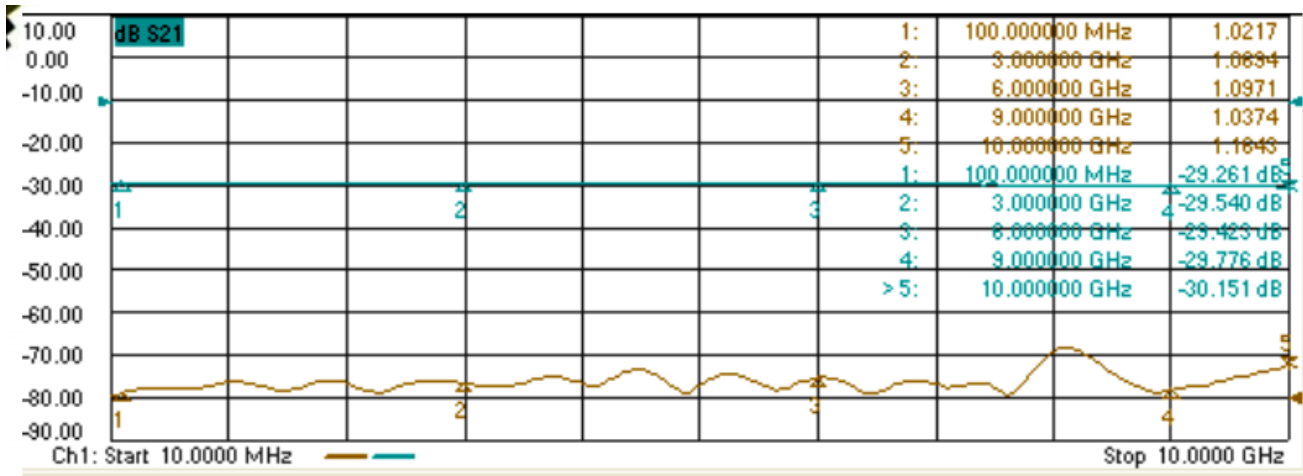
Mechanical Specifications

| | |
|-------------------|--------------------------------------|
| Weight | 77.6Ounces |
| Coaxial Connector | N , 7/16 (Male or Female) |
| Size | 234 × 130 × 75mm (9.21"×5.12"×2.95") |
| Finish | Body painted with 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) |

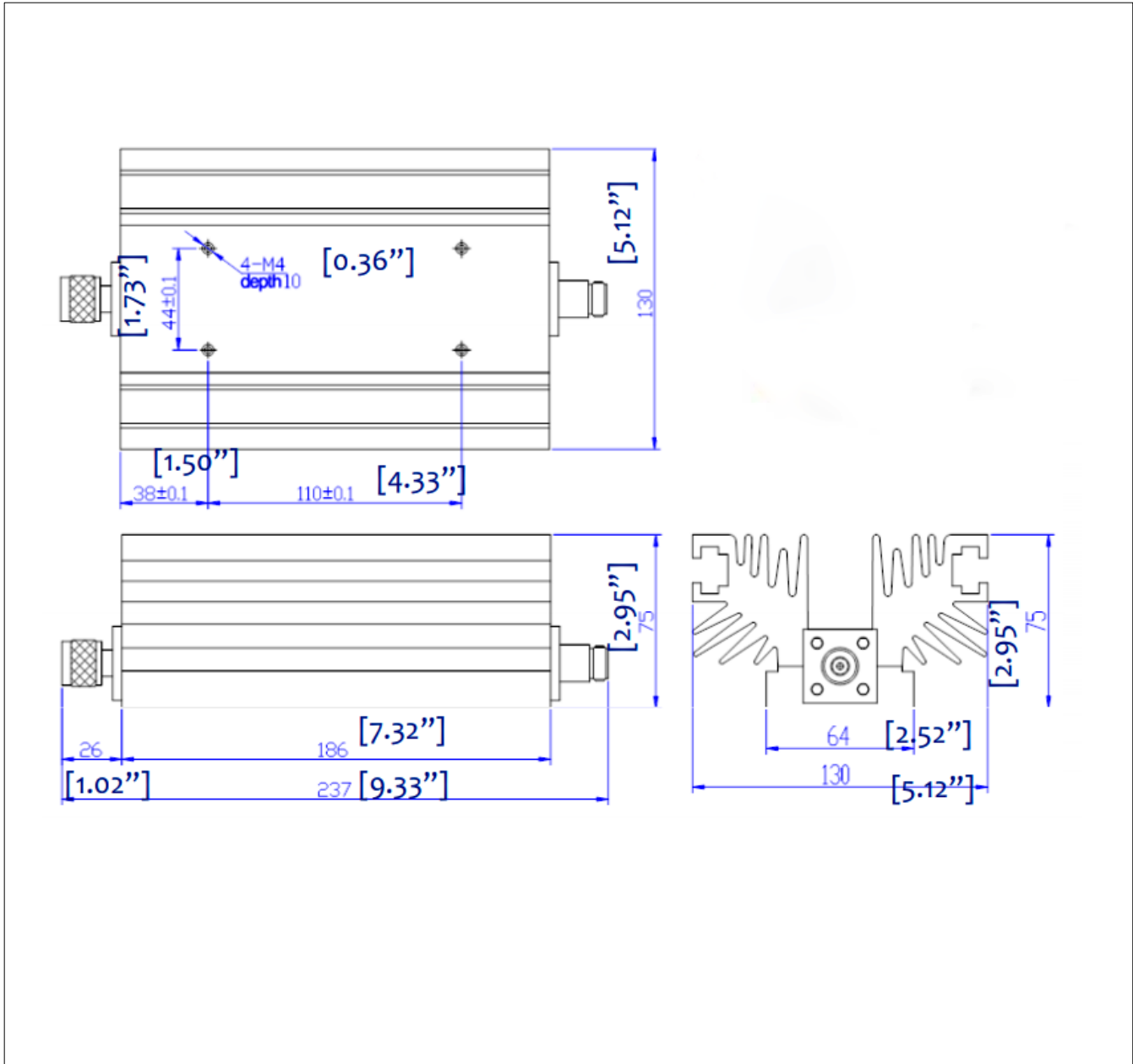
Typical Performance Plots



250W High Power Fixed Attenuator DG-6GHz

Outline Drawing

All Dimensions in mm [inches]



250W High Power Fixed Attenuator DG-6GHz

Important Notice

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