



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFS1G67V06

1W Attenuator DC - 67 GHz



Features

- Frequency up to 67GHz
- Broad bandwidth
- Low VSWR,
- High precision

Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military and Aerospace

Electrical Specifications , $T_A=25^\circ\text{C}$

| Parameter | Min. | Typ. | Max. | Units |
|---------------------------|-----------------------------|------|------|--------|
| Frequency Range | DC | | 67 | GHz |
| Attenuation | 5 | 6 | 7 | dB |
| VSWR | | 1.25 | 1.5 | : 1 |
| Input Power | | | 1 | W |
| Weight | 0.35 | | | ounces |
| Input / Output Connectors | 1.85mm Male & 1.85mm Female | | | |
| Finish | Aluminum | | | |

Environmental Specifications and Test Standards

| Parameter | Standard | Description |
|----------------------------------|---------------|---|
| Operational Temperature | MIL-STD-39016 | -45°C~+85°C |
| Storage Temperature | | -55°C~+125°C |
| Thermal Shock | | 1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles) |
| Random Vibration | | Acceleration Spectral Density 6 (m/s) Total 92.6 RMS |
| Electrical & 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 | MIL-STD-883 (For Hermetically Sealed Units) |

1W Attenuator DC-67GHz



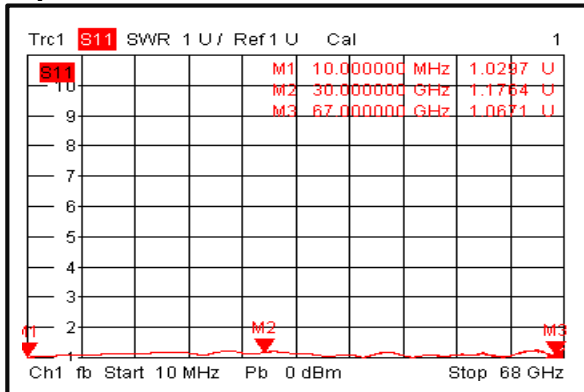
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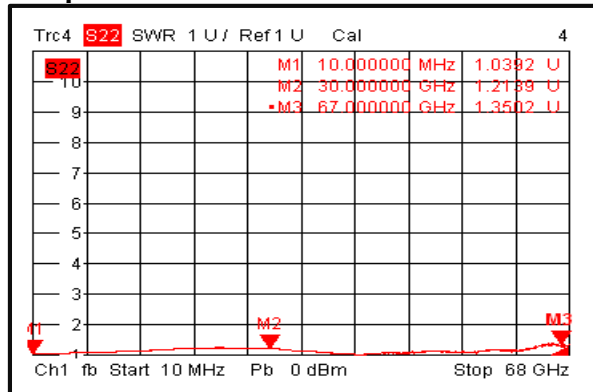
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Typical Performance Plots

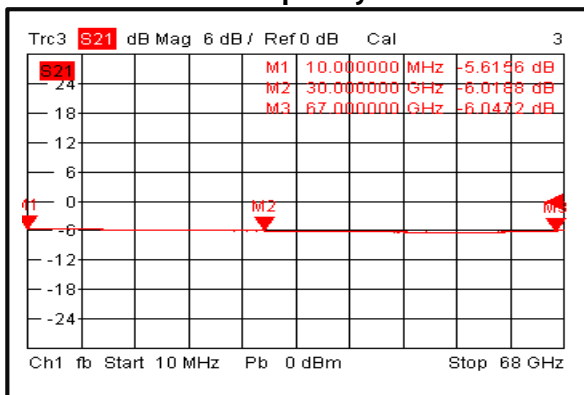
Input VSWR



Output VSWR

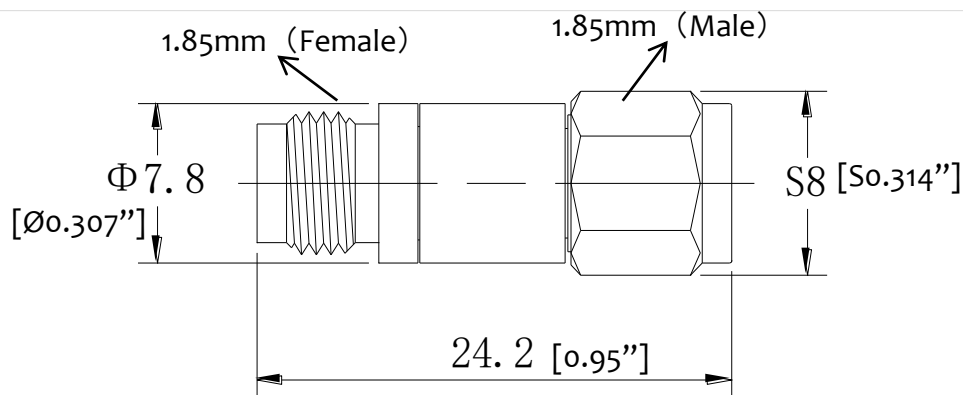


Attenuation vs. Frequency



Outline Drawing:

All Dimensions in mm [inches]



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