



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFS1G67V10

1W Fixed Attenuator DC - 67 GHz



Features

- Frequency up to 67GHz
- Broad bandwidth, low VSWR, high attenuation precision

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

Parameter	Min.	Typ.	Max.	Units
Frequency Range	DC		67	GHz
Attenuation precision		± 1.0	± 2.0	dB
Attenuation		10		dB
VSWR		1.5	2.0	: 1
Input Power			1	W
Weight	0.35			ounces
Input / Output Connectors	1.85mm-Female/Male			
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 Fixed Attenuator DC-67GHz



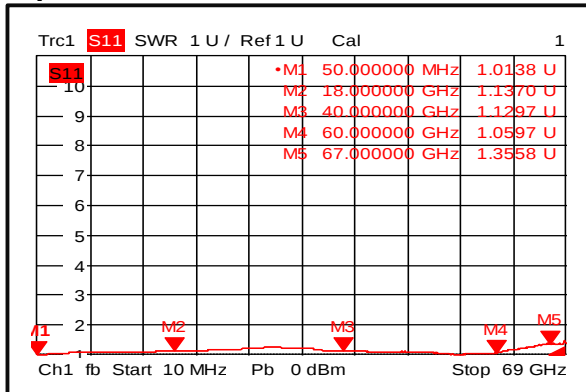
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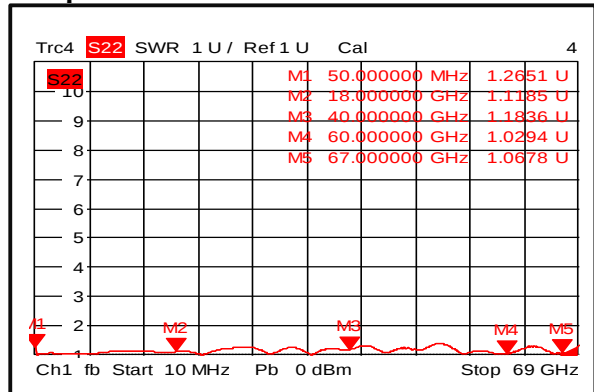
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Typical Performance Plots

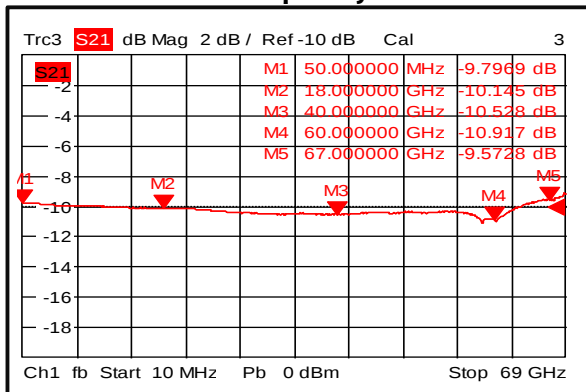
Input VSWR



Output VSWR

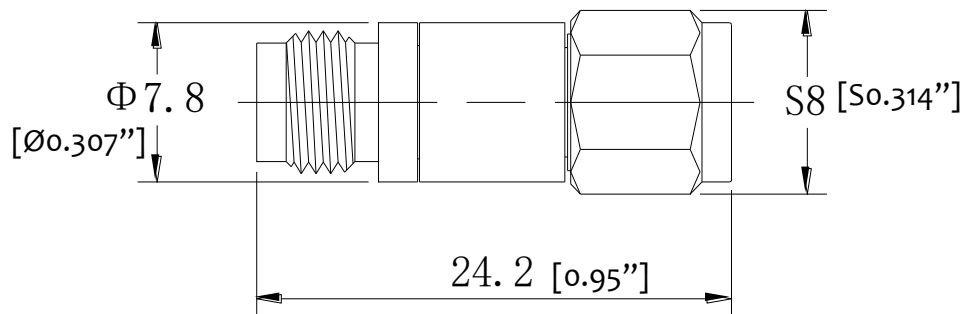


Attenuation vs. Frequency



Outline Drawing:

All Dimensions in mm [inches]



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