

1W Fixed Attenuator DC - 67 GHz



Features

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

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

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			

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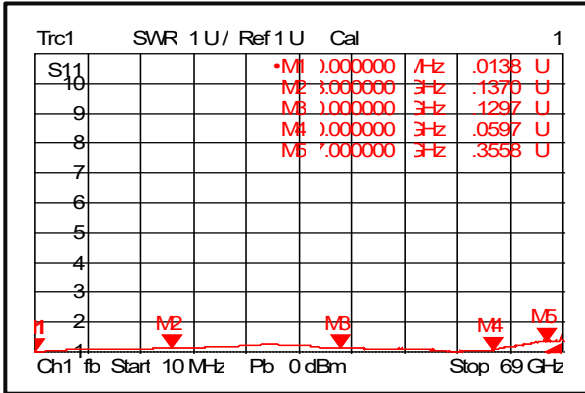
Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°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)

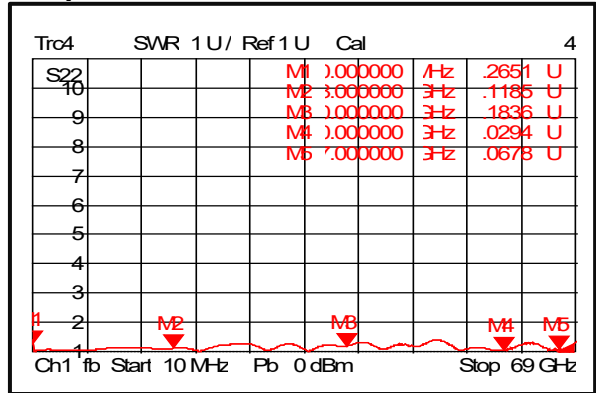
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Typical Performance Plots

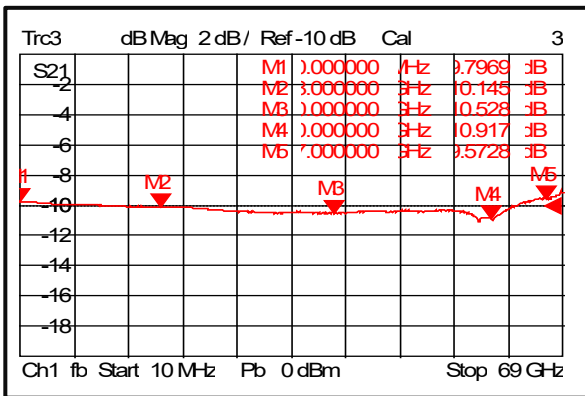
Input VSWR



Output VSWR



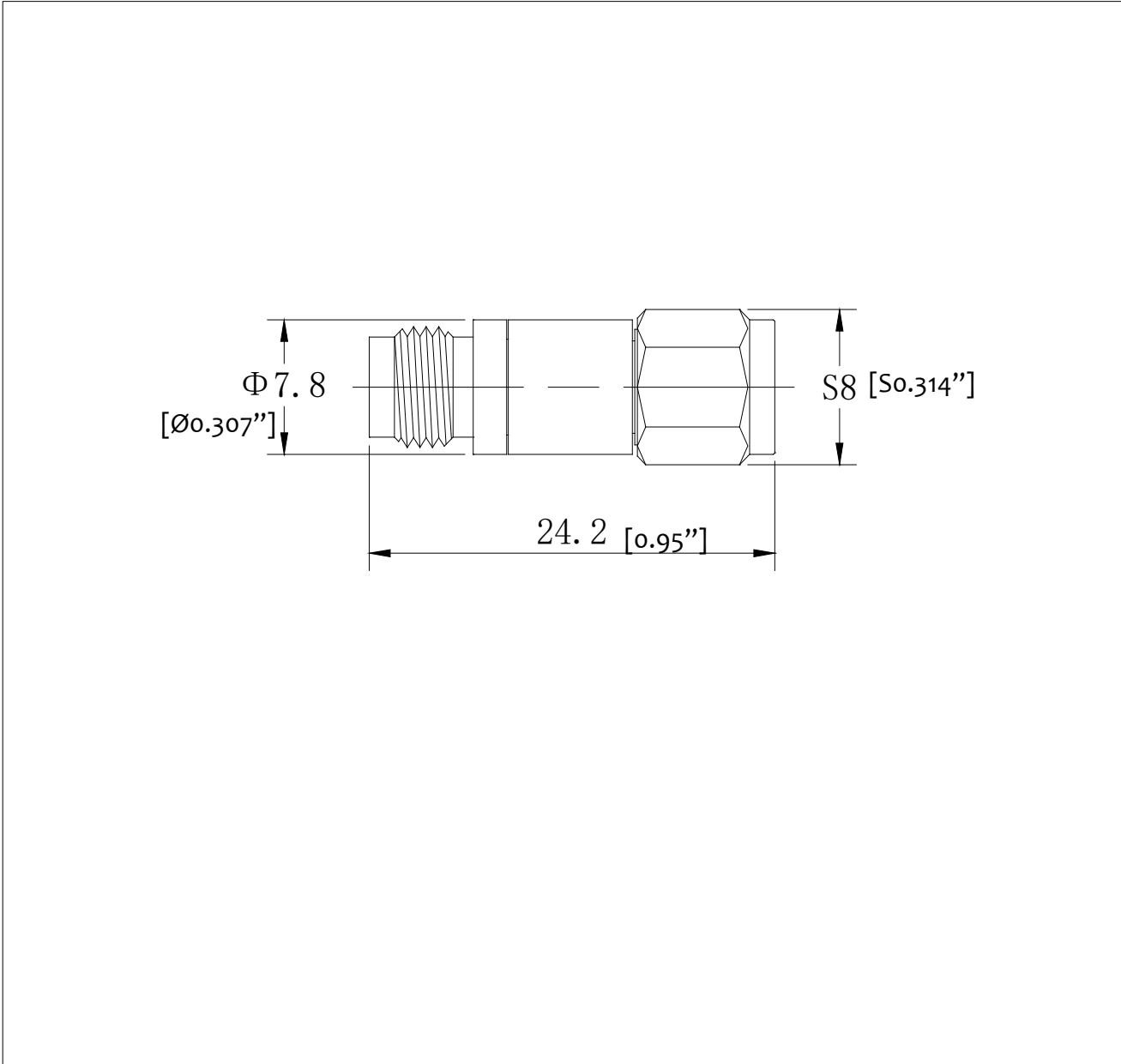
Attenuation vs. Frequency



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Outline Drawing:

All Dimensions in mm [inches]



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