

## 1W High Frequency Attenuator DC - 67 GHz



### Features

- Frequency up to 67GHz
- Low VSWR
- Ultra Wide Band

### Typical Applications

- Wireless Infrastructure
- Test and Measurement
- Military and Aerospace

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

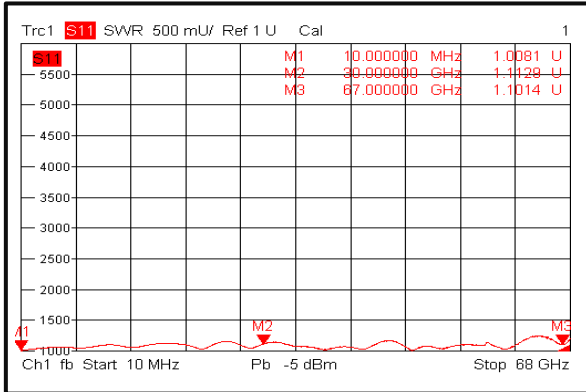
Parameter	Min.	Typ.	Max.	Units
Frequency Range	DC		67	GHz
Attenuation	5	6	7	dB
VSWR		1.25	1.5	:1
Input Power			1	W
Weight	0.22			ounces
Input / Output Connectors	1.85mm Male & 1.85mm Female			
Finish	Aluminum			

**Environmental Specifications and Test Standards**

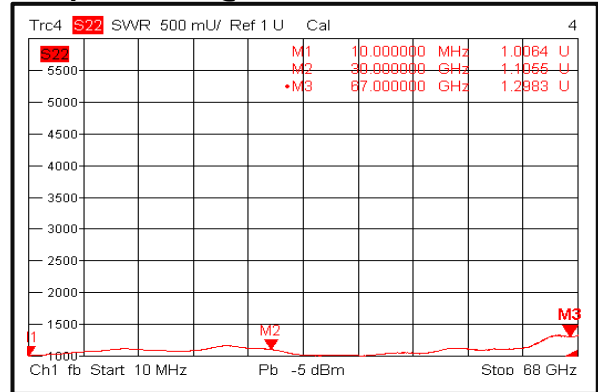
Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°C
Thermal Shock	-40°C → +85°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
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)

**Typical Performance Plots**

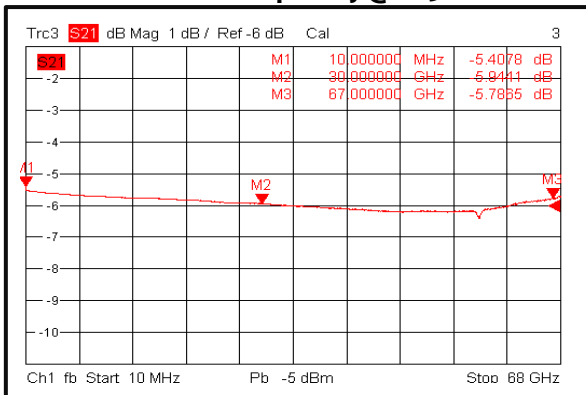
**Input VSWR @+25°C**



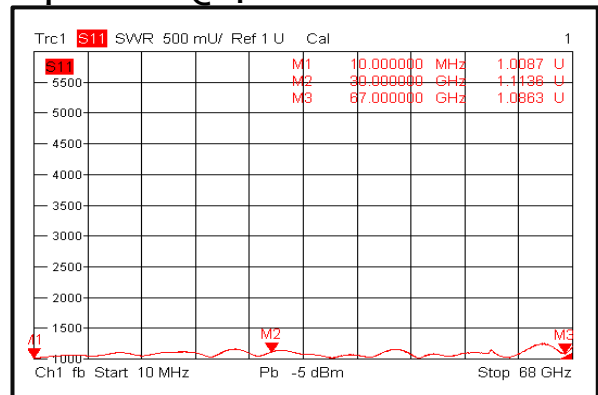
**Output VSWR @+25°C**



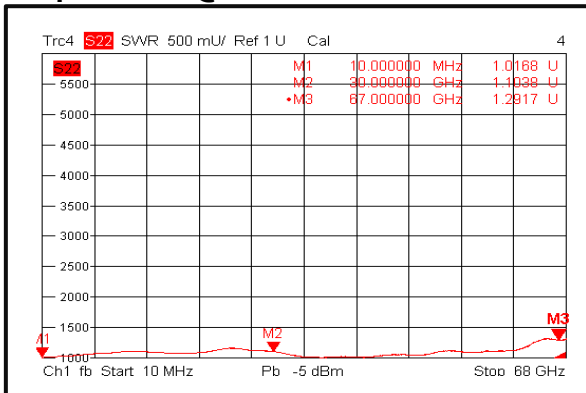
**Attenuation vs. Frequency @+25°C**



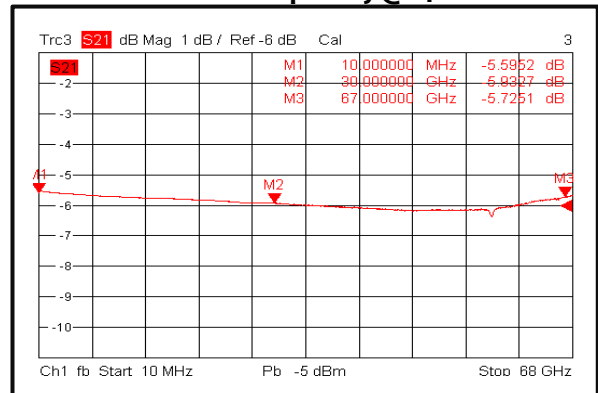
**Input VSWR @-40°C**



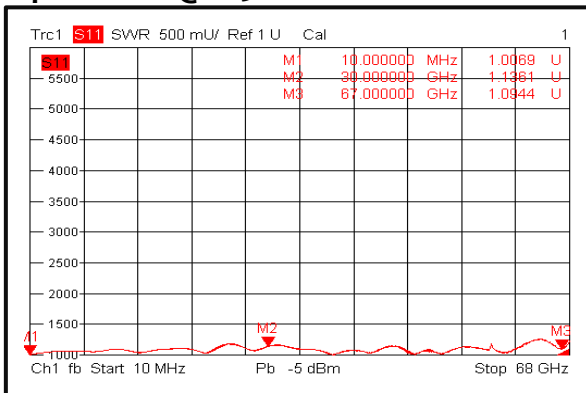
**Output VSWR @-40°C**



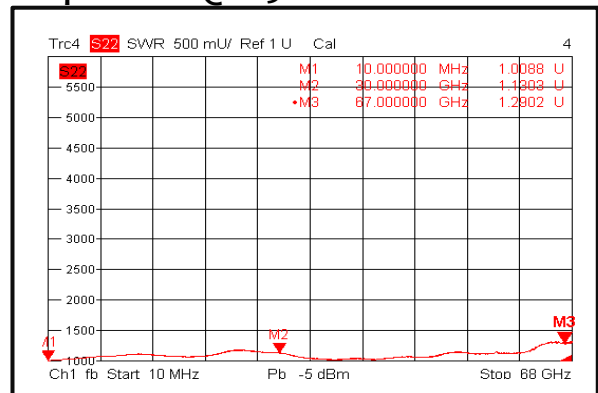
**Attenuation vs. Frequency @-40°C**



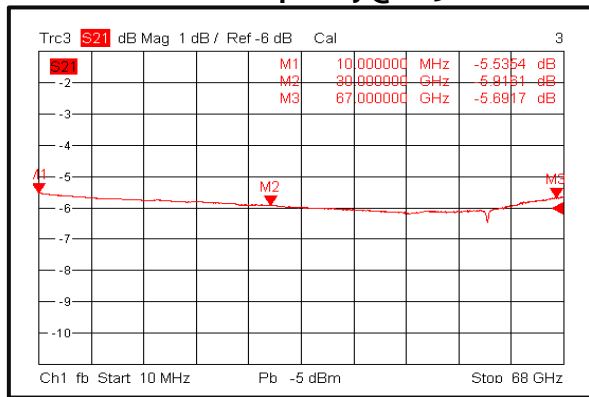
**Input VSWR @+85°C**



**Output VSWR @+85°C**

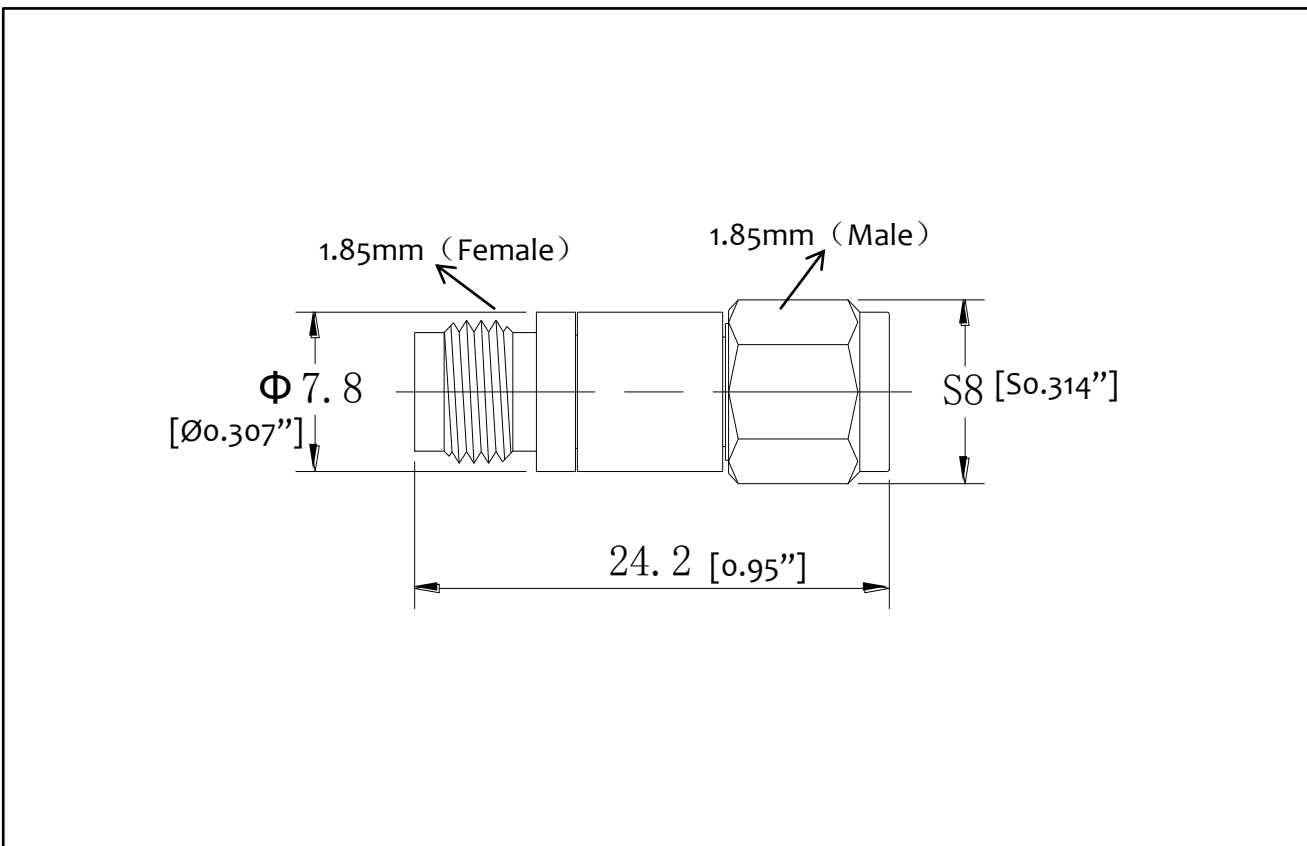


**Attenuation vs. Frequency@+85°C**



**Outline Drawing:**

All Dimensions in mm [inches]



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