



Coaxial Adapter 1.0mm Male to 1.85mm Male DC - 67GHz



Features

- Wide band operation
- Low VSWR
- 50 Ohm Matched

Typical Applications

- Enables Between Series Connections
- General Purpose Test

Electrical Specifications, TA = +25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	DC		67	GHz
VSWR			1.29	:1
Impedance	50			Ohms
Polarity	Standard			
Mating Cycles	500			
Connectors	Connector1	1.0mm Male		
	Connector2	1.85mm Male		
Contact	Material	Beryllium Copper		
	Plating	Gold over Nickel		
	Plating Spec	40 µin minimum		
Body Material	Passivated Stainless Steel			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+70°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)

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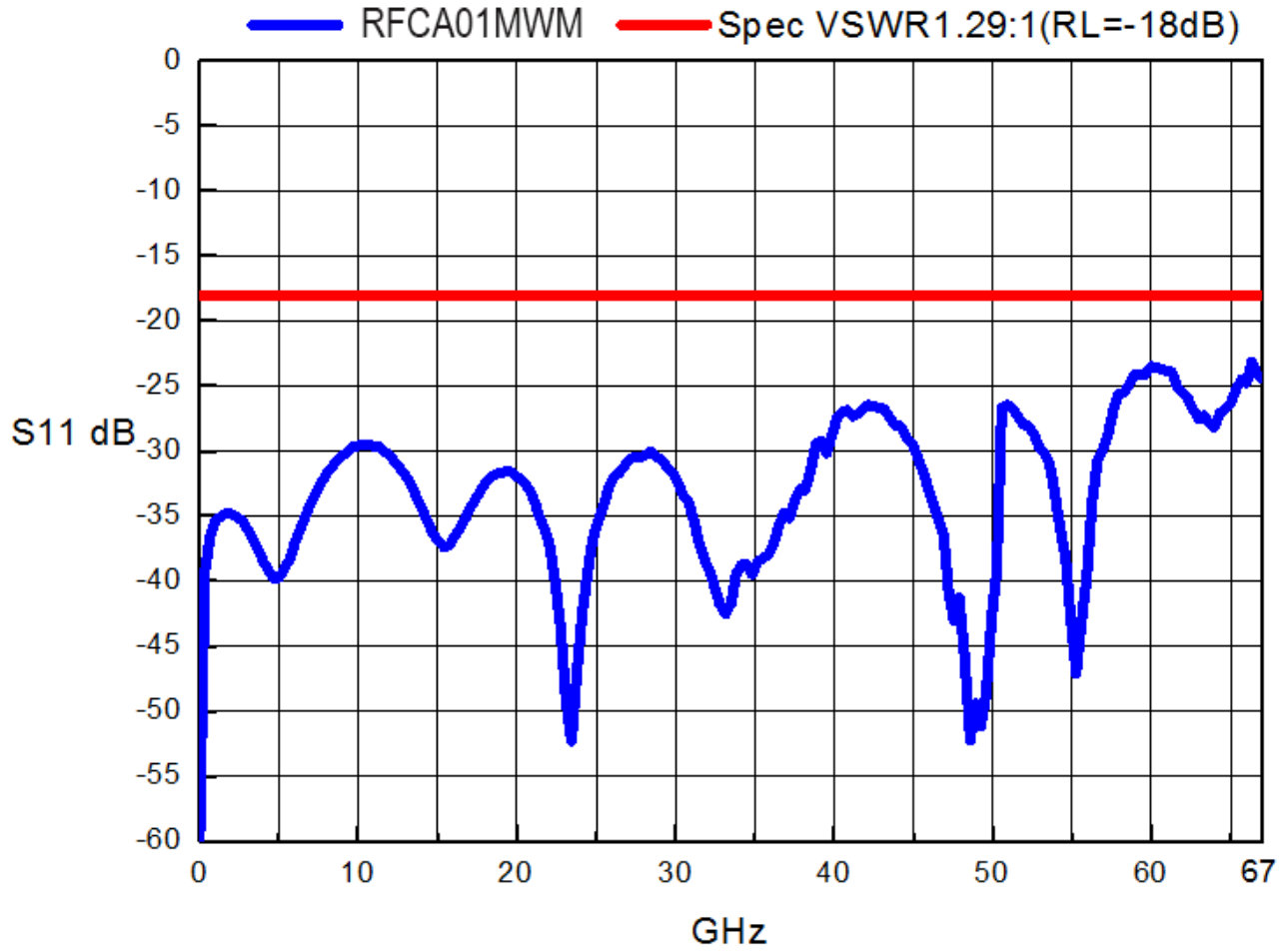


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RFCA01MWM

Typical Performance Plots

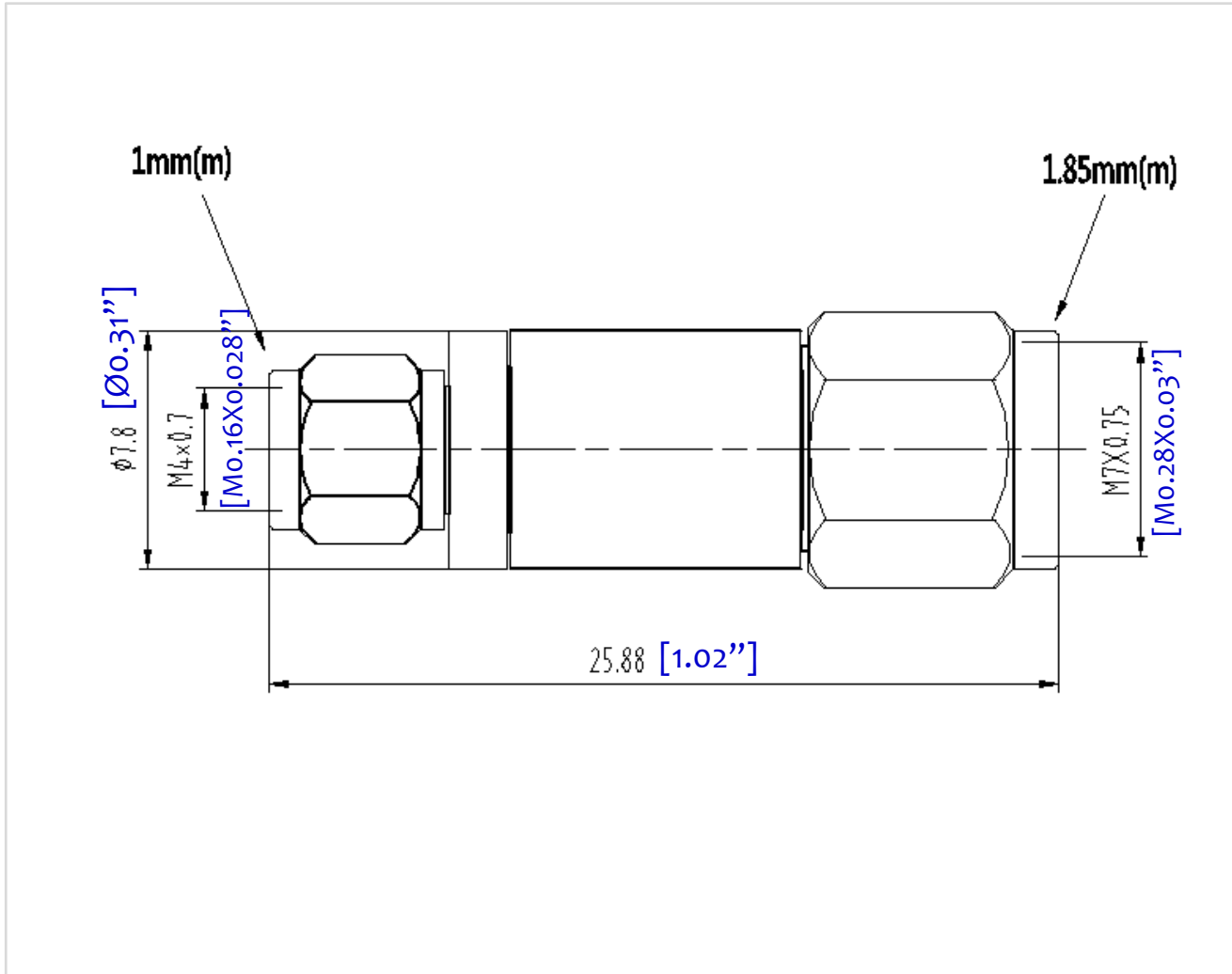


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Outline Drawing:

All Dimensions in mm [inches]



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