



### Coaxial Adapter 1.0mm Female to 1.0mm Male DC - 110GHz



Note: Photo is for illustration purposes only.  
Please refer to the outline drawing.

#### Features

- Wide band operation
- Low VSWR
- 50 Ohm Matched

#### Typical Applications

- Enables Between Series Connections
- Test and Measurement

#### Electrical Specifications, TA = +25 °C

Parameter		Min	Typ	Max	Units
Frequency Range		DC		110	GHz
VSWR				1.5	: 1
Impedance		50			Ohms
Polarity		Standard			
Mating Cycles		500			
Connectors	Connector1	1.0mm Female			
	Connector2	1.0mm Male			
Contact	Material	Beryllium Copper			
	Plating	Nickel over Gold			
	Plating Spec	40 µin minimum			

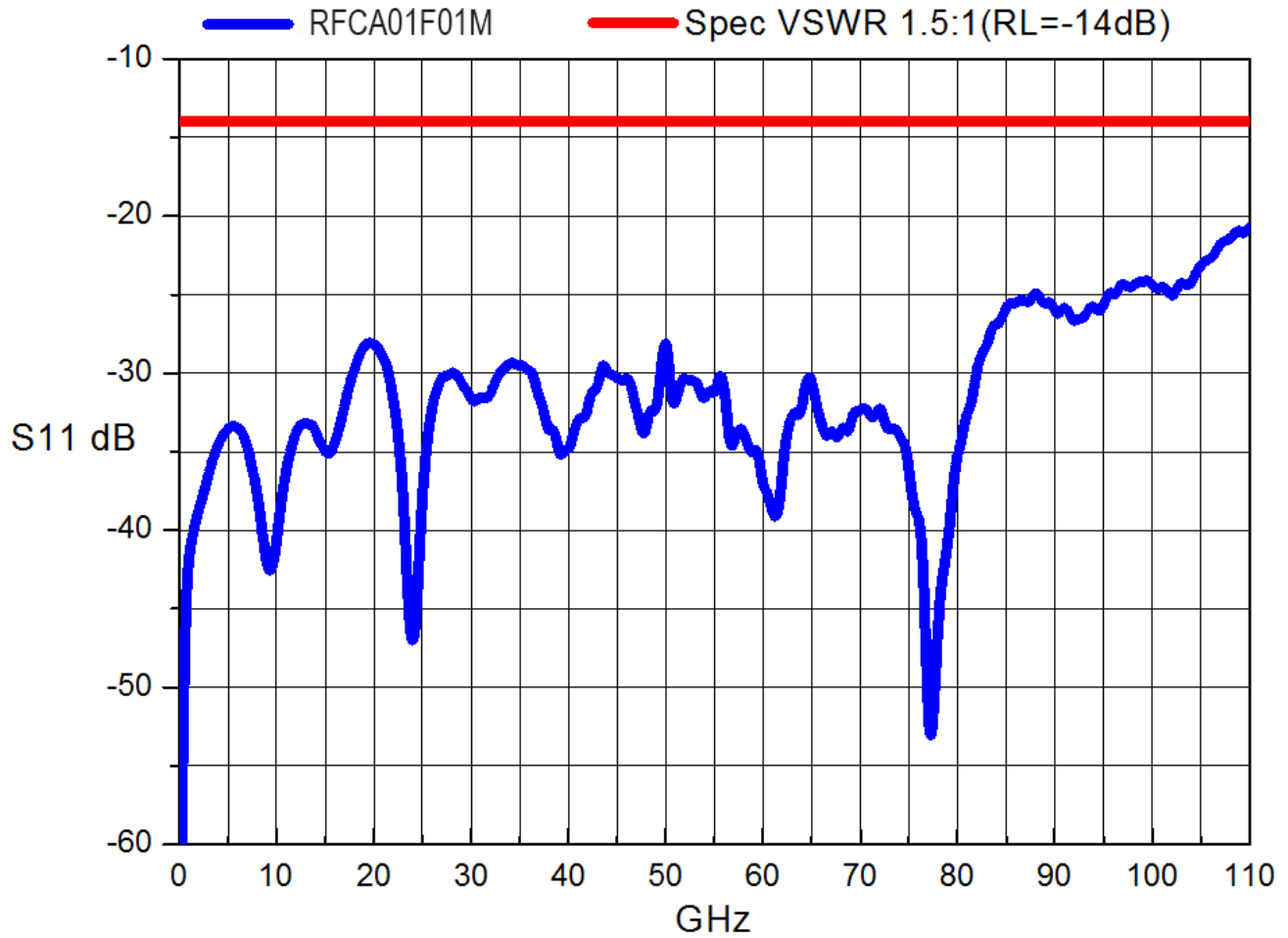
#### Environmental Specifications and Test Standards

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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Typical Performance Plots

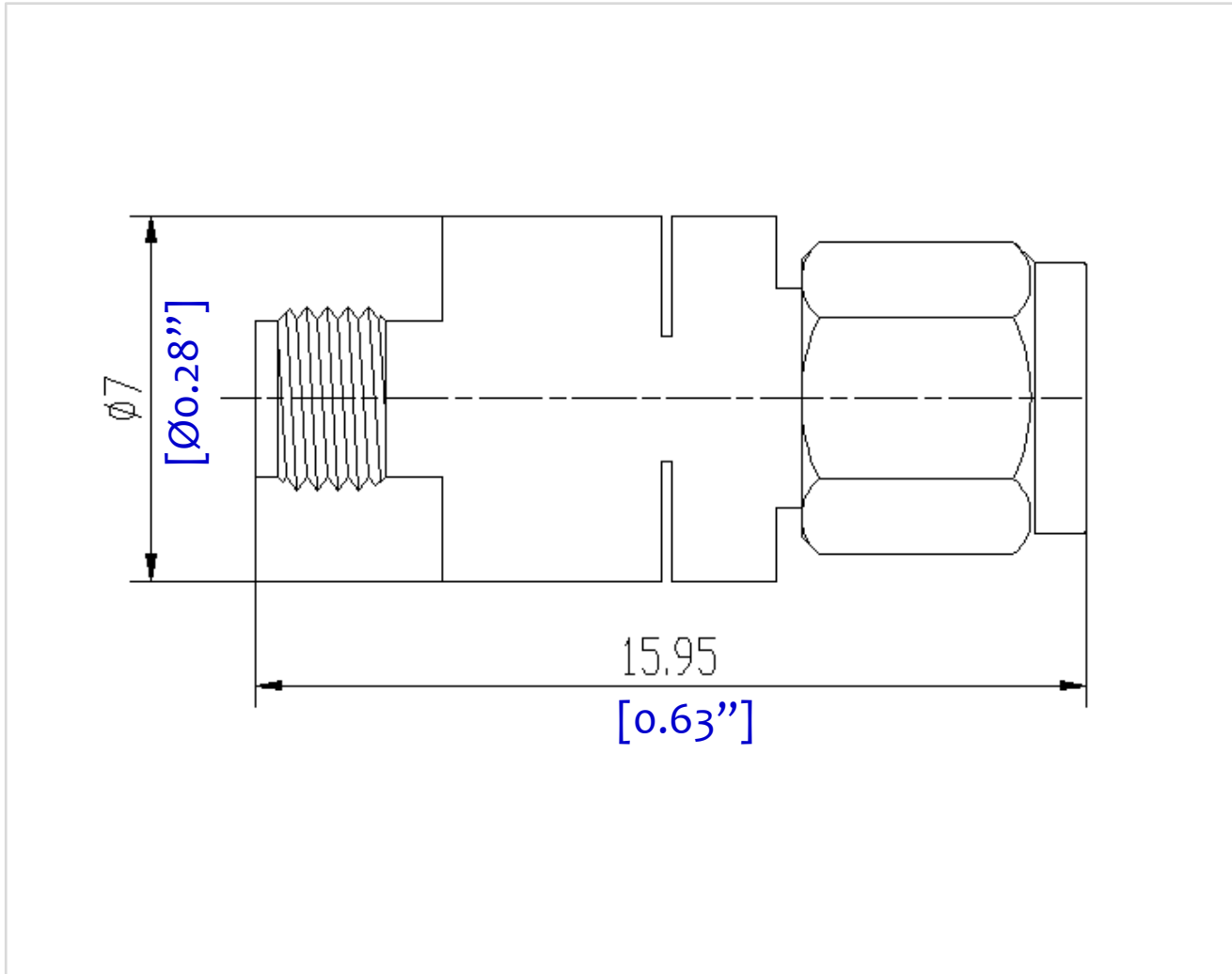


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**Outline Drawing:**

All Dimensions in mm [inches]



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