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

Features

- Wide band operation
- Low VSWR
- 50 Ohm Matched

Typical Applications

- Enables Between Series Connections
- Test and Measurement

Electrical Specifications, TA = +25 ℃

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 Female			
	Connector2	1.85mm Female			
Contact	Material	Beryllium Copper			
	Plating	Gold over Nickel			
	Plating Spec	40 µin minimum			
Outer Body		Passivated Stainless Steel			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40℃~+70℃
Storage Temperature		-55℃~+125℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ 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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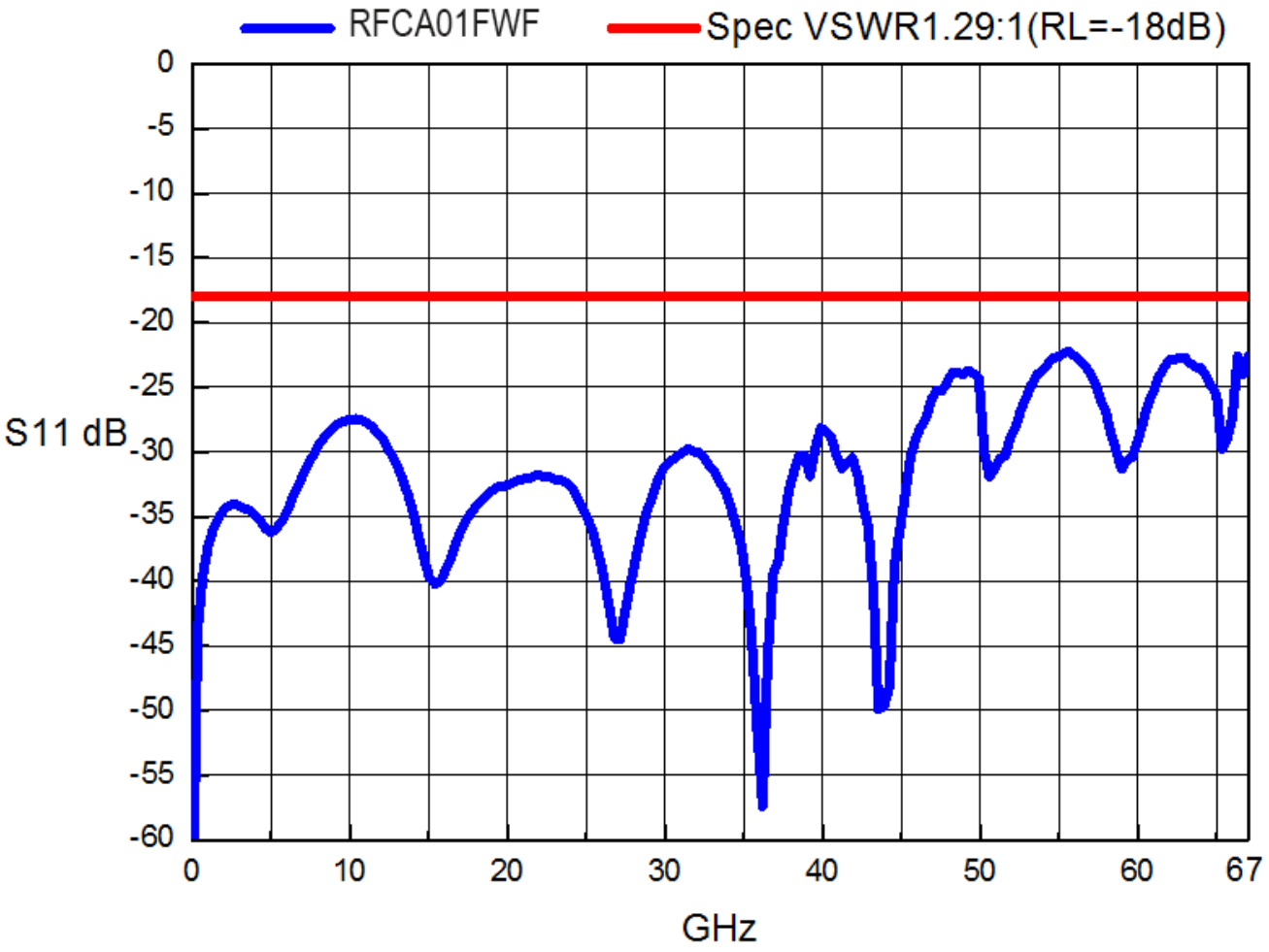
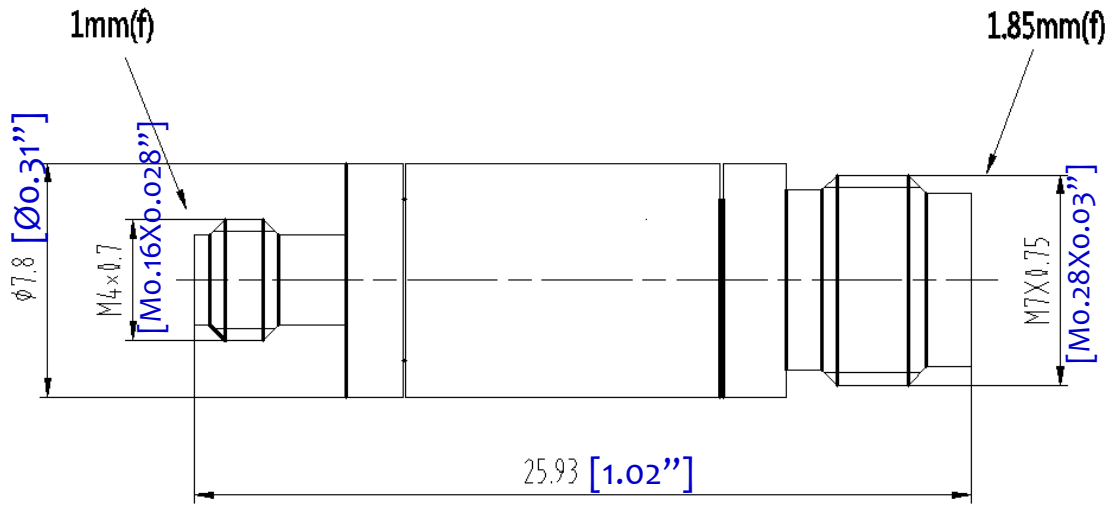
Typical Performance Plots



Outline Drawing:

All Dimensions in mm [inches]



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