300W High Power Fixed Attenuator
DC-10GHz

Features

- Low VSWR
- High Power

Typical Applications

- Microwave Signal Attenuation.
- Test and Measurement.
- Research and Development.

Electrical Specifications, 25°C

Part Number	Frequency Range	Attenuation (dB)	Attenuation Accuracy (dB)	VSWR	Power (CW)	Peak Power(KW)
RFS300G10B	DC-10GHz	30	±1.0	1.45	300	5
		40	±1.1			
		50				

Mechanical Specifications

Weight	123.46 Ounces
Coaxial Connector	N (Male or Female)
Size	11.61" X 5.12" X 2.956"
External Body Finish	Body painted with Gray / Black epoxy enamel

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°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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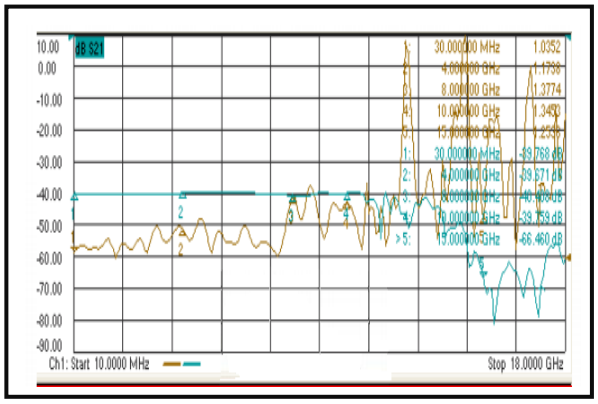
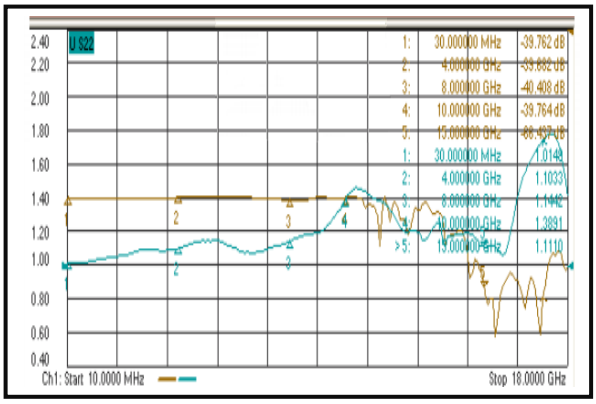
S21 (40dB Model Shown)

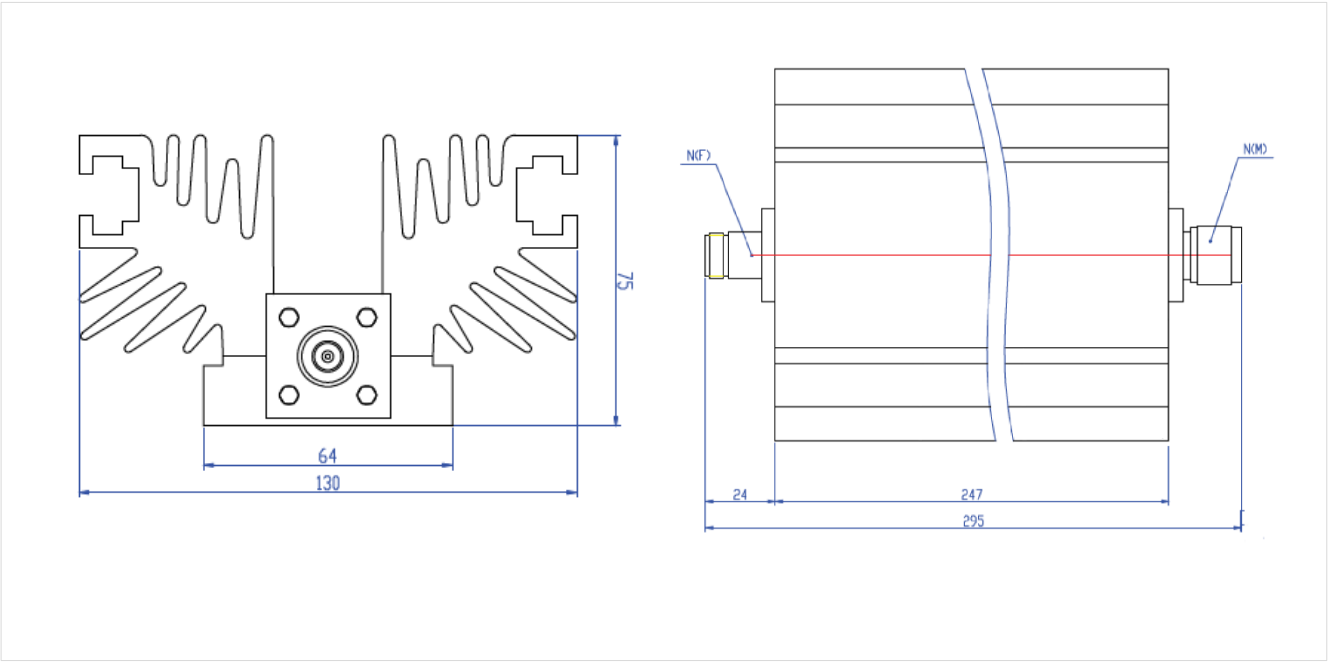


S22



Outline Drawing:

All Dimensions in mm [inches]



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