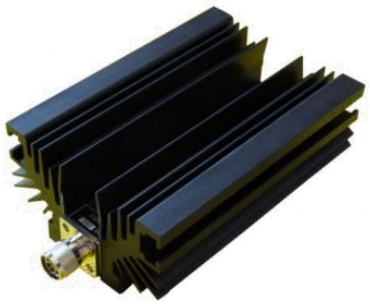
High Power Fixed Termination
DC – 10.5GHz



RoHS Compliant

Features

- Ultra high power handling 250W
- Ultra high peak power 5KW
- Wide band operation
- Low VSWR

Typical Applications

- Test and Measurement
- Military and Aerospace
- Wireless Infrastructure

Electrical Specifications ,T_A=25 ℃

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		10.5	GHz
VSWR			1.35	: 1
CW Power Handling	250			W
Peak Power Handling	5 *			KW
Connector Type	N or 7/16 (Male or Female)			

* Please note, peak power conditions must be checked with the manufacturer when ordering (Peak Power, Pulse Width, Duty Cycle, Operating Duration)

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45℃~+85℃
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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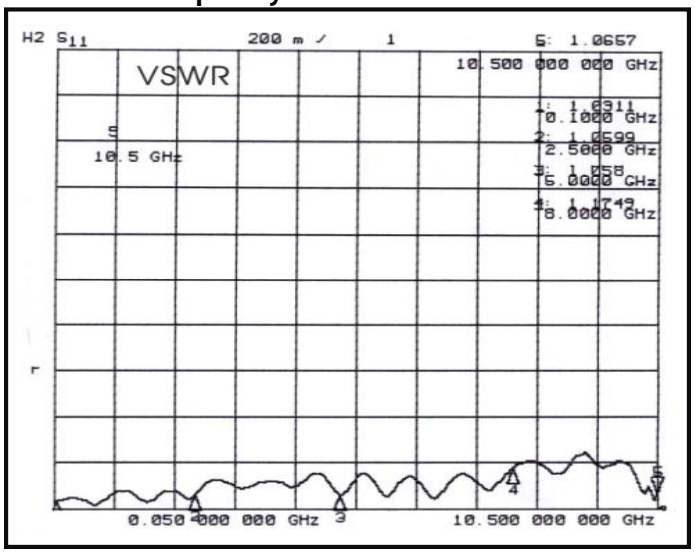
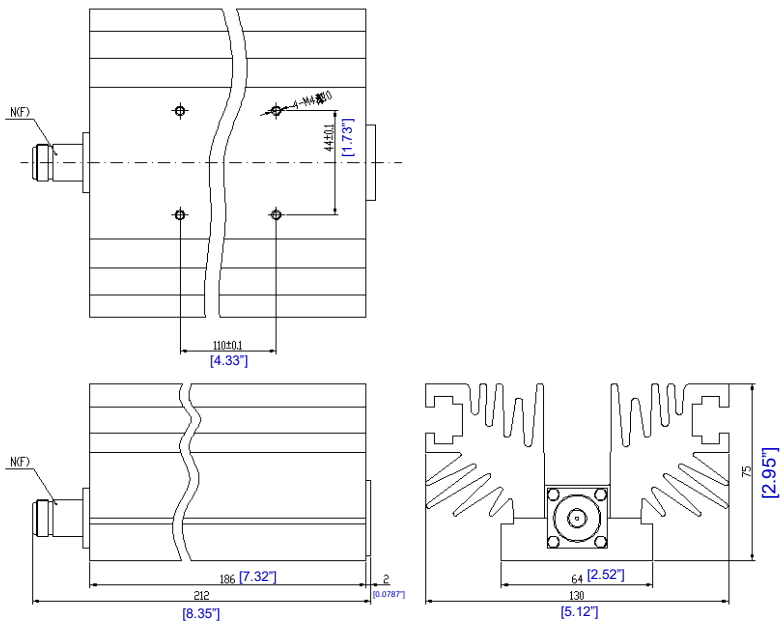
VSWR vs. Frequency



Outline Drawing:

All Dimensions in mm [inches]



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