



150W High Power Embedded Termination DC – 8GHz



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



Features

- High Power Handling: 150W
- Low VSWR

Typical Applications

- Research and Development
- Wireless Infrastructure
- Test and Measurement
- Microwave Subsystems

Electrical Specifications, $T_A=25^\circ\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		8	GHz
VSWR			1.25	:1
Average Power			150	W
Peak Power			10	KW
Nominal Impedance	50			Ω
Weight	6.70			Ounces
Coaxial Connector	N,SMA			
Material	Aluminum			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45°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)



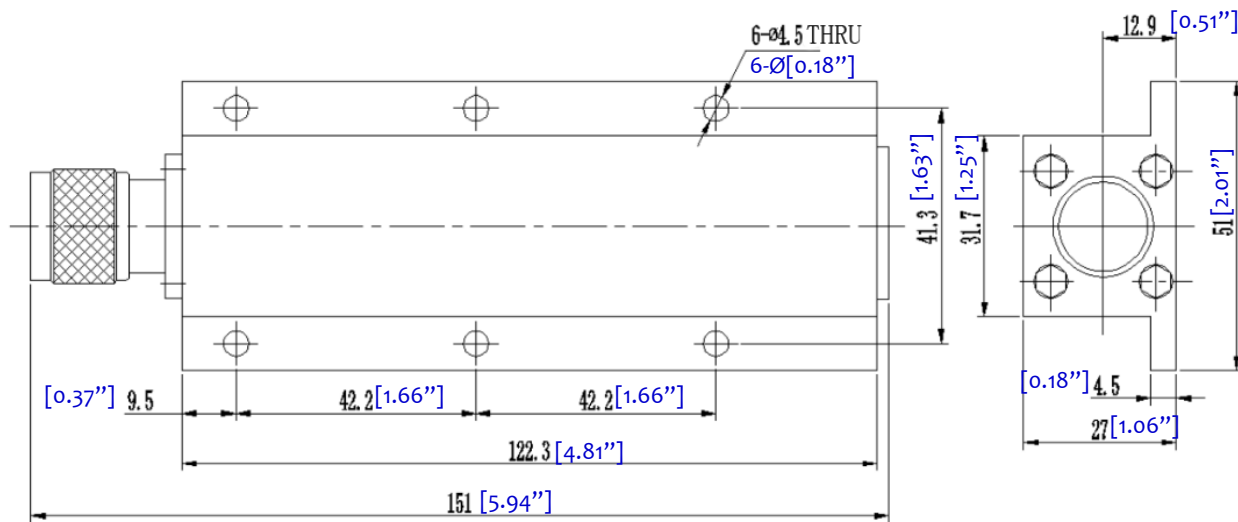
RF-LAMBDA

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RFSTB150G08

Outline Drawing:

All Dimensions in mm [inches]



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