



# RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

## RFST80G12C

### 80W Coaxial Fixed Termination DC – 18GHz



Please refer to outline drawing.



#### Features

- Wide frequency Band
- Low VSWR

#### Typical Applications

- Test and Measurement
- Wireless Infrastructure
- Military and Aerospace

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

Parameters		Min.	Typ.	Max.	Units
Frequency Range		DC		18	GHz
VSWR				1.55	: 1
Average Power		80			W
Peak Power Handling (5 $\mu$ s pulse, 1% Duty Cycle)		5			KW
Weight		47.62			ounces
Impedance		50			$\Omega$
Connector Type		N,SMA			
Finish	Connectors	Brass Nickel Plated			
	Male Pin	Brass Gold Plated			
	Female Pin	Beryllium Copper Gold Plated			
	Housing	Aluminum,Black Anodize			

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*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)



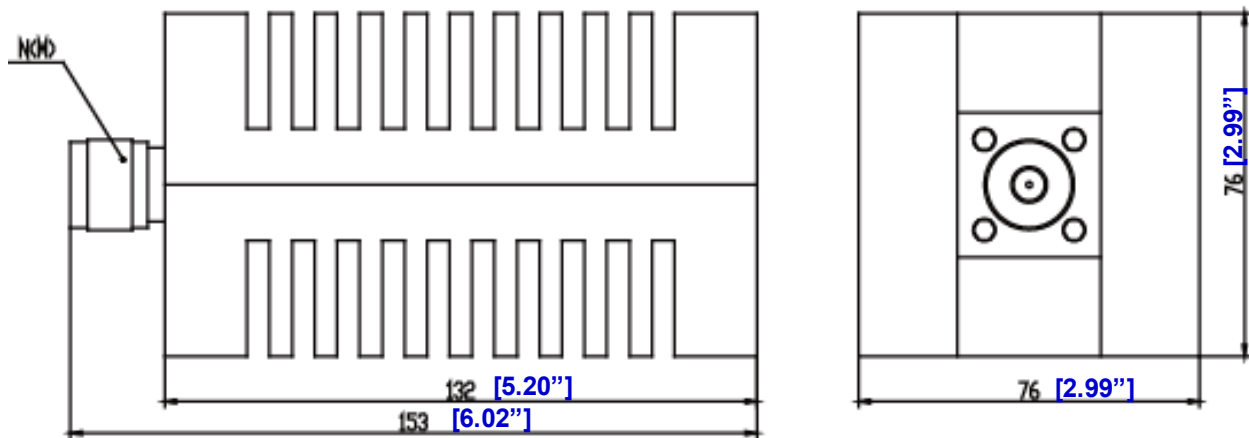
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### Outline Drawing:

All Dimensions in mm [inches]



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### Important Notice

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