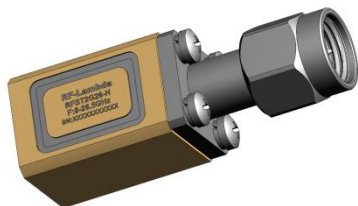


Hermetically Sealed 2W Coaxial Termination DC-26.5GHz



Features

- Wide frequency Band
- Low VSWR

Product Description

RFST2G26-H is a hermetically sealed termination with a frequency range of DC to 26.5GHz.

The average power of the termination is 2W. The max VSWR of 1.4:1.

The working temperature of this product is between - 55°C and + 125°C.

Typical Applications

- Wireless Infrastructure
- Military and Aerospace Applications
- Test Instrumentation
- Radar Systems
- 5G Wireless Communications
- Microwave Radio Systems
- TR Modules
- Research and Development
- Cellular Base Stations

Electrical Specifications (T_A = +25°C)

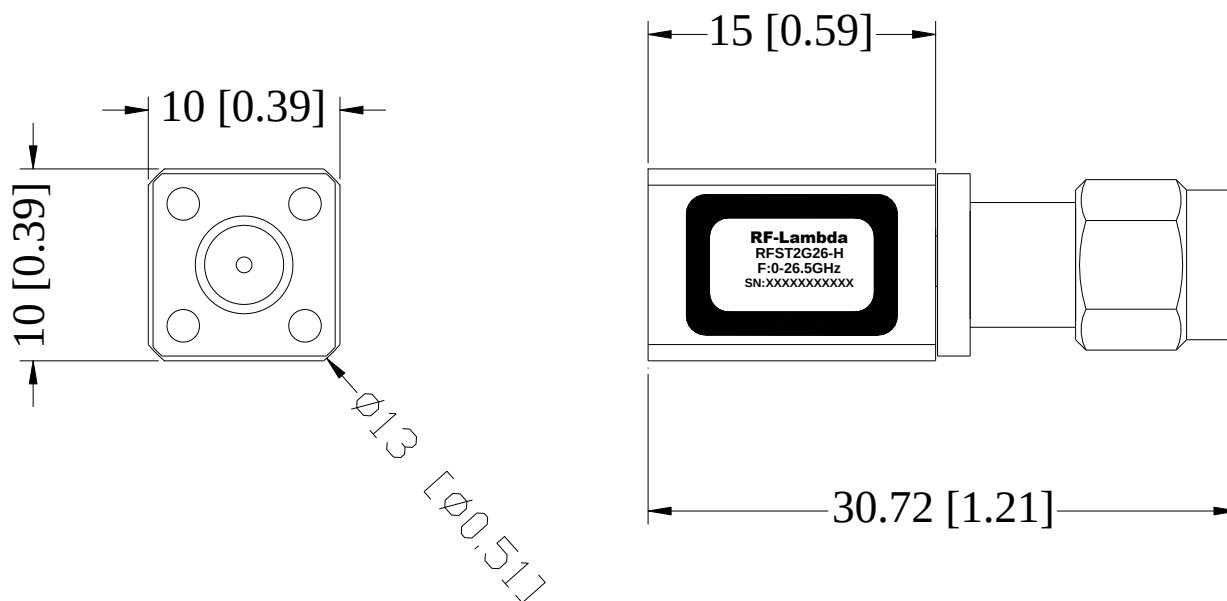
Parameter		Min	Typ	Max	Units
Frequency Range		DC		26.5	GHz
VSWR			1.3	1.4	: 1
Average Power	@25°C		2		W
	@125°C		0.2		
Peak Power			250		W
Weight			0.01		lbs.
Impedance			50		Ω
Connector			SMA-Male		
Package			Hermetically Sealed (Laser Welded)		

Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40°C to +85°C (Case Temperature)
Storage Temperature	-50°C to +105°C
Thermal Shock	-40°C → +85°C (5 Cycles / 10 hours)
**Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +125°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 (For Hermetically Sealed Units)

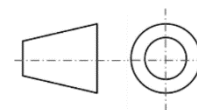
**For vibration testing details please see additional information section.

Outline Drawing



Notes:

1. Package Material: Aluminum
2. Finish: Gold Plated.
3. All dimensions are in millimeters [inches].
4. Tolerances ± 0.25 [0.01] unless otherwise specified.



Additional Information

Documentation	Webpage
ESD Policy	https://rflambda.com/pdf/rflambda_esd_control.pdf
Connector Torque Specifications	https://www.rflambda.com/pdf/Torque_Specifications.pdf
Random Vibration Test Standard	https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf

Ordering Information

Part Number	Modification	Description
RFST2G26-H	SMA(Male or Female)	DC-26.5GHz Hermetically Sealed Termination

Important Notice

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