



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFST2G50A

2W Coaxial Fixed Termination DC – 50GHz



Please refer to outline drawing.



Features

- Wide frequency Band
- Low VSWR

Typical Applications

- Test and Measurement
- Wireless Infrastructure
- Military and Aerospace

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

Parameters		Min.	Typ.	Max.	Units
Frequency Range		DC		50	GHz
VSWR				1.40	:1
Average Power		2			W
Peak Power Handling (5 μ s pulse, 0.5% Duty Cycle)		0.2			KW
Weight		0.18			ounces
Impedance		50			Ω
Connector Type		2.4mm			
Finish	Connectors	Brass Gold Plated or Stainless Steel			
	Male Pin	Brass Gold Plated			
	Female Pin	Beryllium Copper Gold Plated			
	Housing	Aluminum			

2W Coaxial Fixed Termination DC – 50GHz



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	MIL-STD-883	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)

2W Coaxial Fixed Termination DC – 50GHz



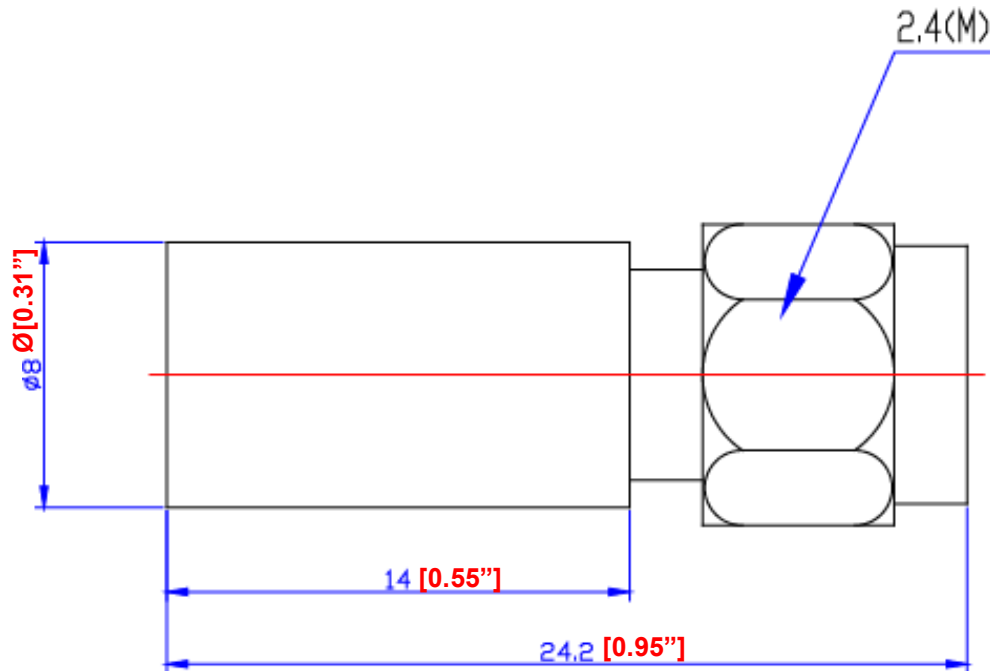
RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFST2G50A

Outline Drawing:

All Dimensions in mm [inches]



Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.

2W Coaxial Fixed Termination DC – 50GHz