



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFST50G40K

50W Coaxial Fixed Termination DC – 40GHz



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		40	GHz
VSWR				1.40	: 1
Average Power		50			W
Peak Power Handling (5μs pulse, 2.5% Duty Cycle)		0.2			KW
Weight		5.82			ounces
Impedance		50			Ω
Connector Type		2.92mm			
Finish	Connectors	Brass Gold Plated or Stainless Steel			
	Male Pin	Brass Gold Plated			
	Female Pin	Beryllium Copper Gold Plated			
	Housing	Aluminum, Black Anodized			

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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	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)

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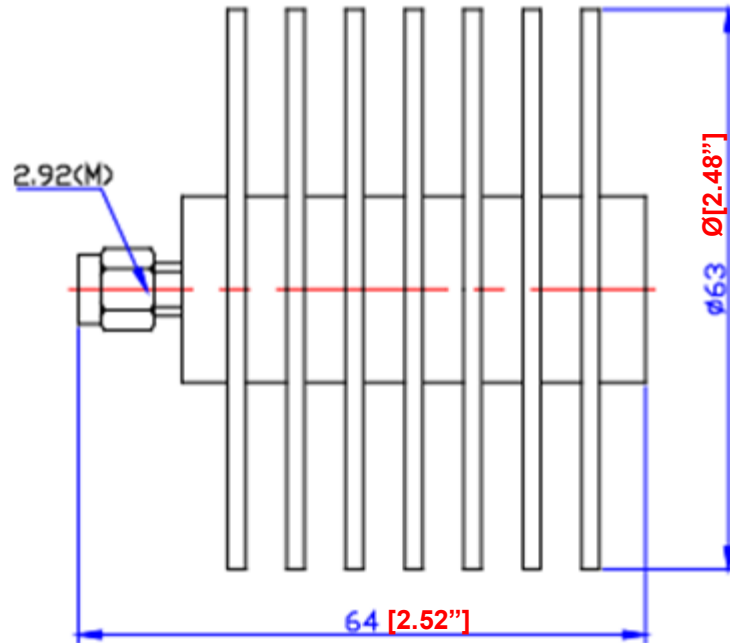
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Outline Drawing:

All Dimensions in mm [inches]



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