

Wide Band Mis-match Load 0.8GHz-2.2GHz



Product Description

RFMWST200GC is a wide band mis-match load with a frequency range of 0.8 to 2.2GHz.

This wideband mismatch load can handle 200W CW and is available in a variety of VSWR options.

Features

- Wide frequency Band
- Low VSWR

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 ($T_A=+25^{\circ}\text{C}$)

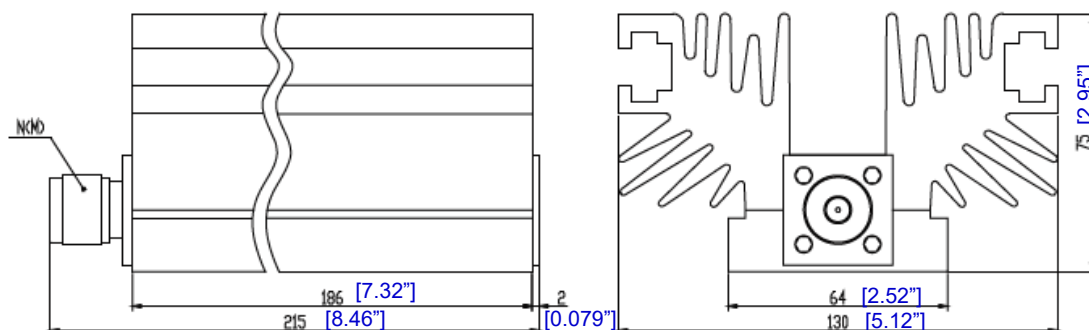
Parameter		Min	Typ	Max	Units
Frequency Range		0.8		2.2	GHz
VSWR				(1-6) $\pm$ 7%	: 1
Average Power			200		W
Peak Power (5 μ s pulse, 4% Duty Cycle)			5		KW
Weight			4 Max.		lbs.
Impedance			50		Ω
Connector Type			SMA, N		
Connector Material			Brass Nickel Plated		
Pin	Male		Brass Gold Plated		
	Female		Beryllium Copper Gold Plated		
Package			Epoxy Sealed (Standard)		
			Hermetically Sealed (Optional)		

Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40°C to +85°C (Case Temperature)
Storage Temperature	-55°C to +125°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: Black Anodized
3. All dimensions are in millimeters [inches].
4. Standard torque wrench must be used to secure RF connectors.



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
RFMWST200GC	SMA, N	0.8GHz-2.2GHz Mis-match Load

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