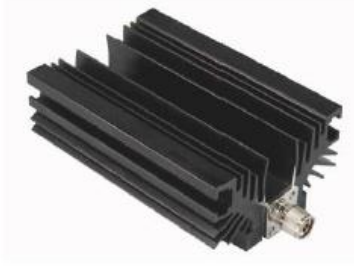


Wide Band Mis-match Load 30MHz-500MHz



Product Description

RFMWST200GA is a wide band mis-match load with a frequency range of 30 to 500MHz.

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°C)

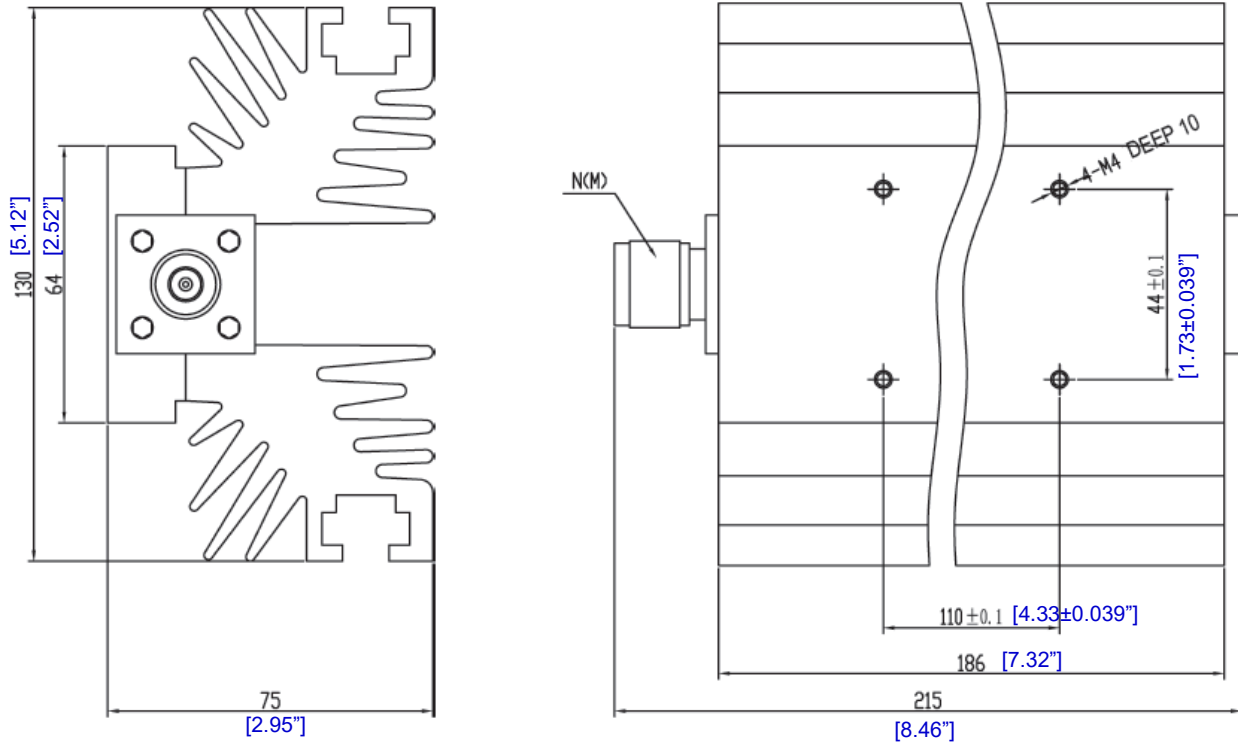
Parameter	Min	Typ	Max	Units
Frequency Range	30		500	MHz
VSWR			(1-6)±7%	: 1
Average Power		200		W
Peak Power (5µs pulse, 4% Duty Cycle)		5		KW
Weight		4 Max.		lbs.
Impedance		50		Ω
Connector Type		SMA, N		
Connectors Material		Brass Nickel Plated		
Pin	Male	Brass Gold Plated		
	Female	Beryllium Copper 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
RFMWST200GA	Connectors SMA, N	30MHz-500MHz Mis-match Load

Important Notice

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