



500W High Power Fixed Attenuator DC-4GHz



Features

- Low VSWR
- High Power
- Optimized for Pulsed Applications

Typical Applications

- Microwave Signal Attenuation.
- Test and Measurement.
- Wireless Infrastructure.

Electrical Specifications, 25°C

Part Number	Frequency Range	Attenuation (dB)	Attenuation Accuracy (dB)	VSWR	Power (CW)	Peak Power(KW)	Impedance (Ω)
RFS500GA04	DC-4GHz	20	-1.0/+2.0	1.20	500	10 (5μs pulse , 5% duty cycle)	50
		30	±0.75				
		40	-0.5/+0.9				
		50	±0.75				

Mechanical Specifications

Weight	151.68Ounces
Coaxial Connector	N ,7/16
Size	418 × 130 × 75mm (16.46"×5.12"×2.95")
Connectors	Brass Nickel Plated
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminum, Black Anodized

500W High Power Fixed Attenuator DC-4GHz



Environmental Specifications and Test Standards

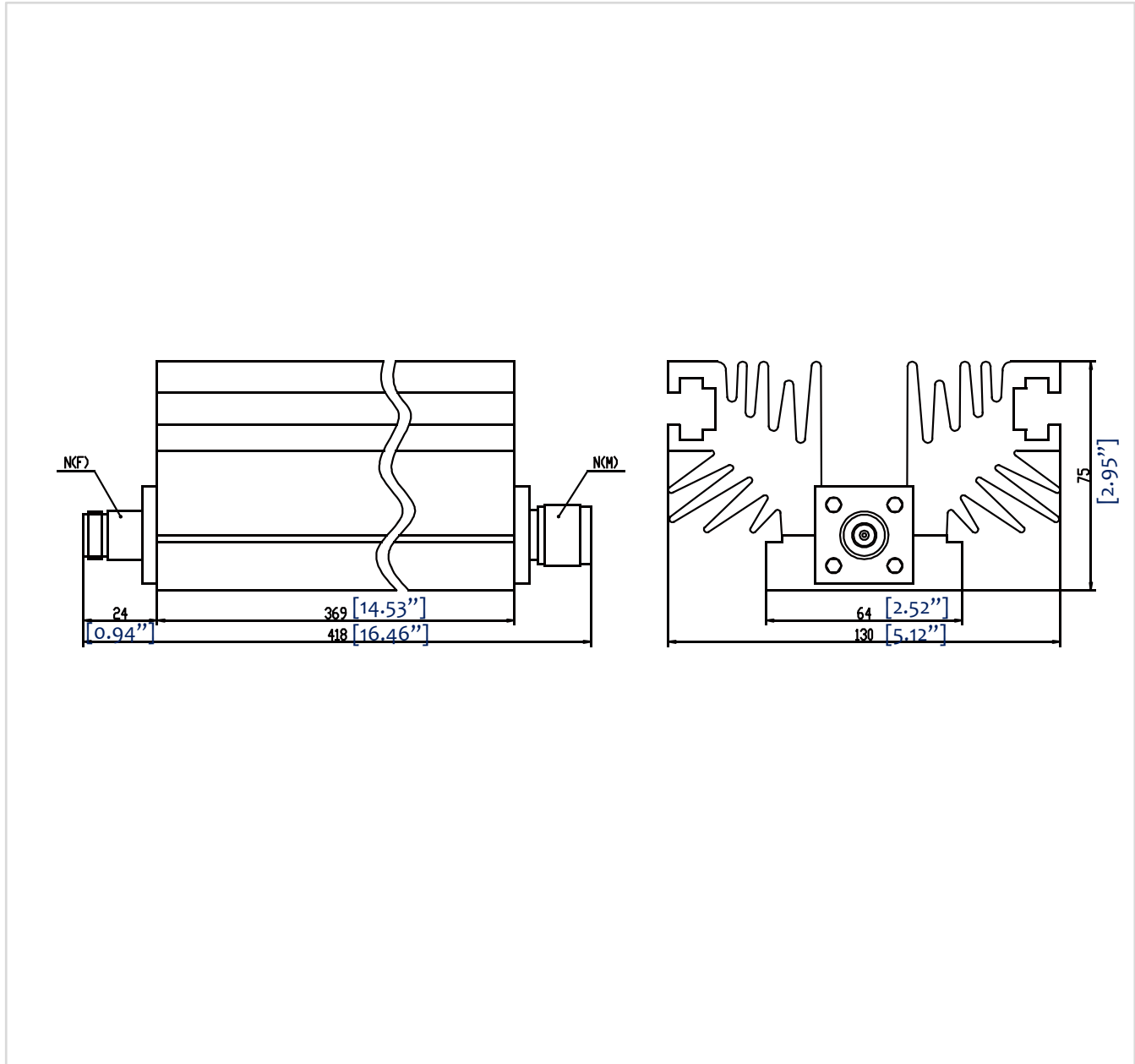
Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 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		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)

500W High Power Fixed Attenuator DC-4GHz



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.