



### 500W High Power Fixed Attenuator DC-2GHz



**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)
RFS500GA02	DC-2GHz	20	±1.0	1.15	500	10 (5µs pulse , 5% duty cycle)	50
		30	-0.75 / +0.5				
		40	±0.5				
		50	-0.75 / +0.5				

**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

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**Environmental Specifications and Test Standards**

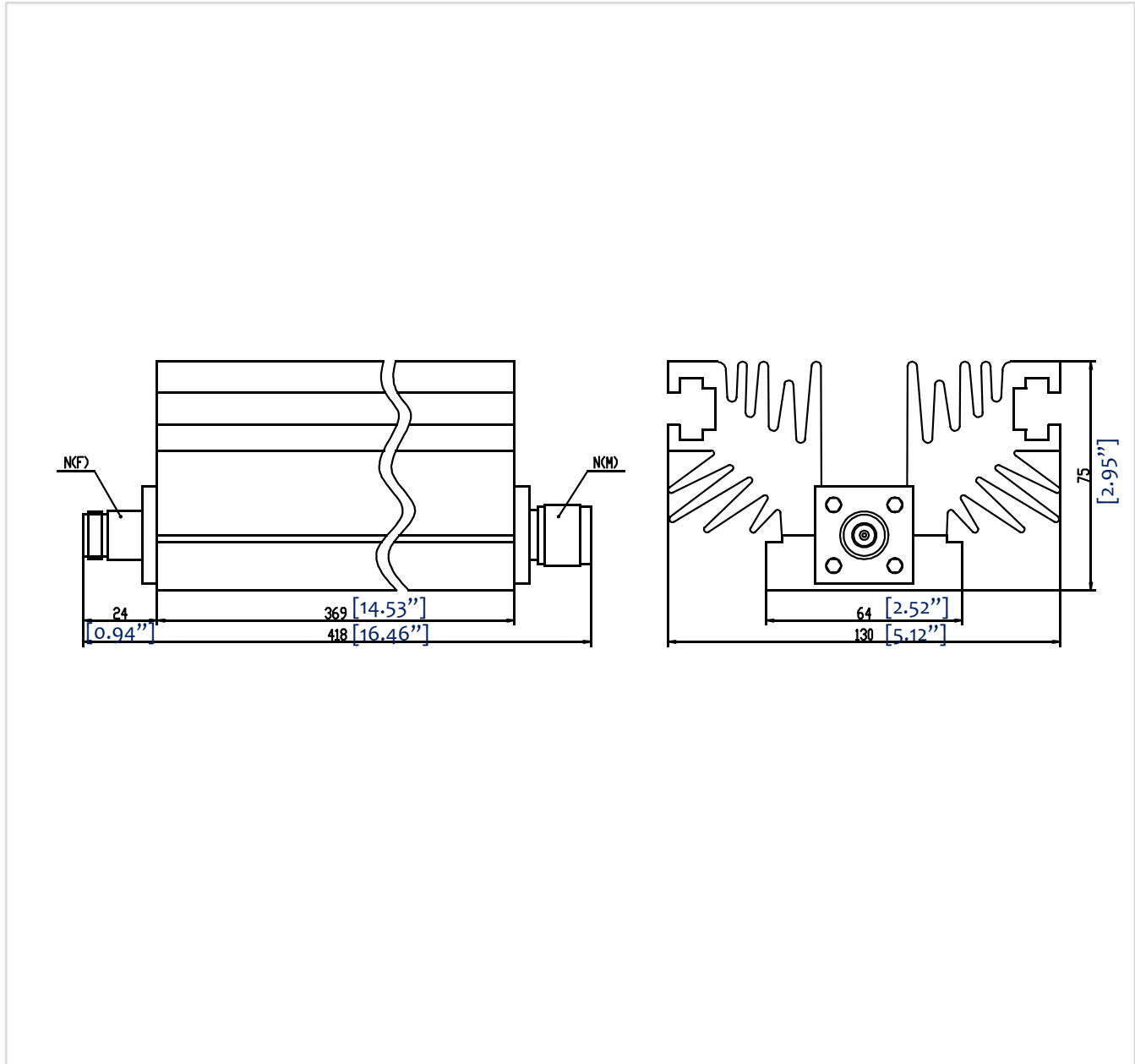
Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 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		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)

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## Outline Drawing

All Dimensions in mm [inches]



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