



### 100W High Power Fixed Attenuator DC- 4 GHz 4.3-10 Connectors



**Features**

- Low VSWR
- High Power

**Typical Applications**

- Microwave Signal Attenuation.
- Test and Measurement.
- Research and Development.

**Electrical Specifications, 25°C**

Parameters		Min.	Typ.	Max.	Units
Frequency Range		DC		4	GHz
VSWR				1.25	: 1
Attenuation Value & Accuracy	10		±0.75		dB
	20				
	30				
Average Power (CW)		100			W
Peak Power Handling (5us pulse width with 1% duty cycle)		5			KW
Weight		A:9.17 B:15.87			ounces
Dimensions		A:Φ1.77"X6.10" B: Φ2.48"X6.10"			
Impedance		50			Ω
Connectors		4.3-10 Female			
Finish	Connectors	Brass Nickel Plated			
	Male Pin	Brass Gold Plated			
	Female Pin	Beryllium Copper Gold Plated			
	Housing	Aluminum Black Anodize			

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**Environmental Specifications and Test Standards**

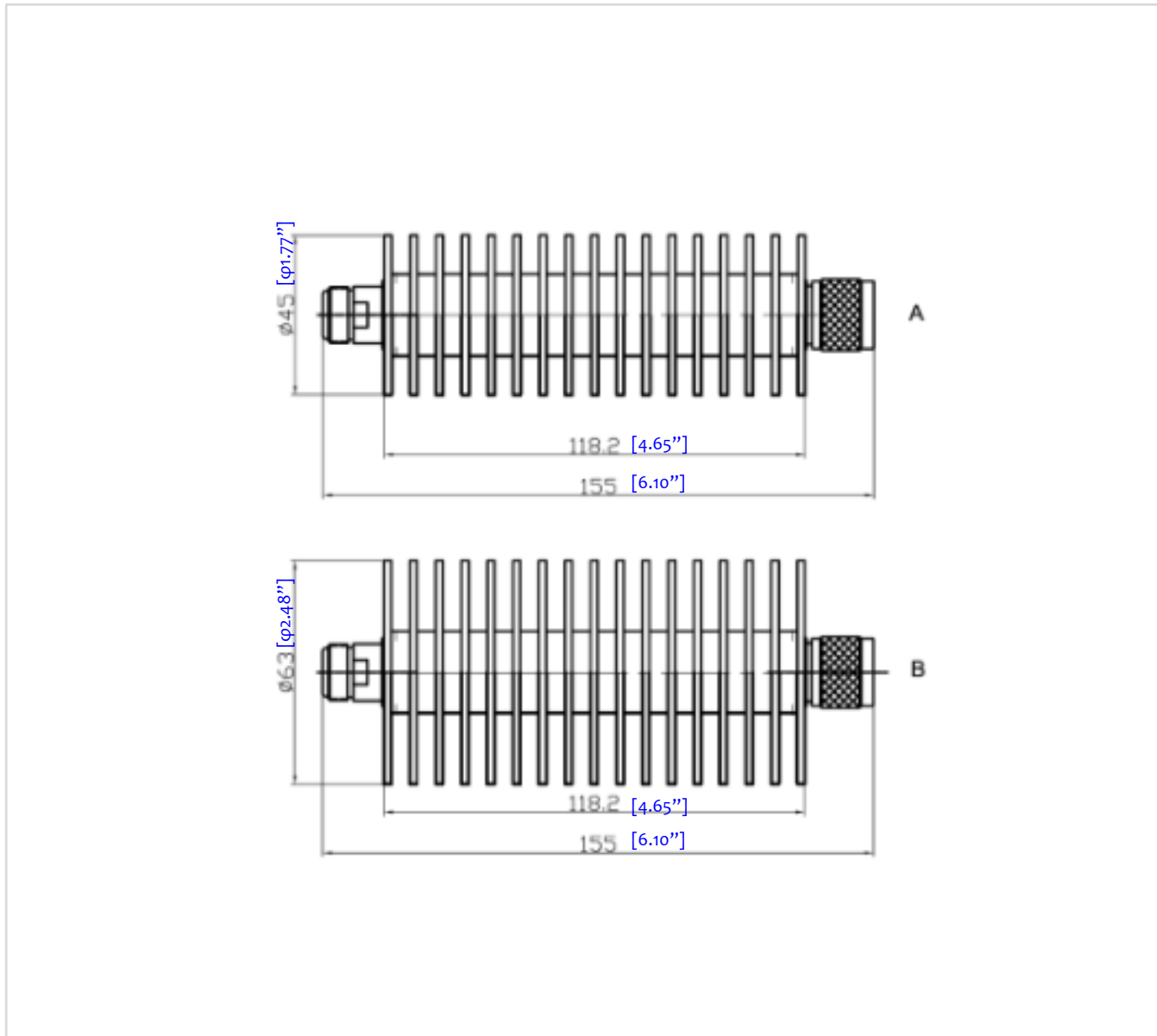
Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-55°C~+125°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour@ -55°C → 1 Hour @ +125°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for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