2W Knob Manual Control Step Attenuator
DC – 8GHz

Features

- Low VSWR
- Compact package
- 50Ω impedance

Typical Applications

- Test and Measurement
- Wireless Infrastructure
- Military and Aerospace

Electrical Specifications ,T_A=25 ℃

Parameters		Min.	Typ.	Max.	Units
Frequency Range		DC		8	GHz
Attenuation Range		0		9	dB
Attenuation Step Size			1		dB
Insertion Loss				0.8	dB
VSWR				1.4	: 1
Attenuation Accuracy			±0.6		dB
Average Power		2			W
Peak Power Handling (5μs pulse, 1% Duty Cycle)		200			W
Weight		7.76			ounces
Impedance		50			Ω
Connector Type		SMA-Female			
Finish	Connectors	Stainless Steel			
	Female Pin	Beryllium Copper Gold Plated			
	Housing	Aluminum			

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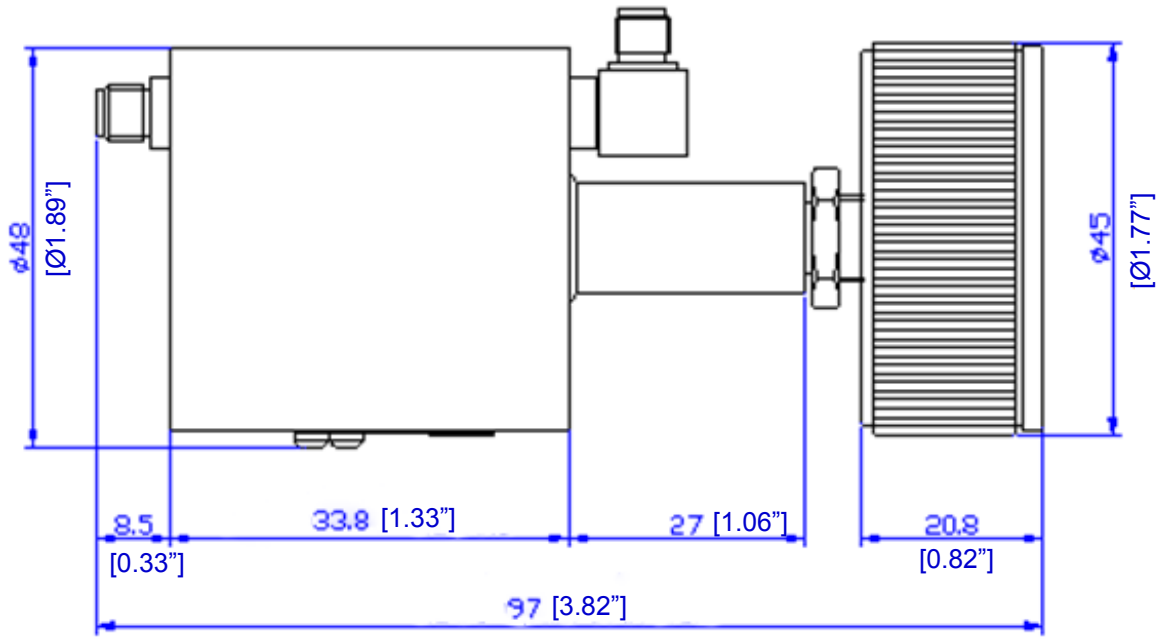
Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-20℃~+85℃
Storage Temperature		-55℃~+125℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ 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)

Outline Drawing:

All Dimensions in mm [inches]



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