



### 2W Rotary Manual Control Step Attenuator DC – 8GHz



#### Features

- Compact package
- Adjustable during operation
- 2W CW Power Handling

#### Typical Applications

- Test and Measurement
- Wireless Infrastructure
- Military and Aerospace

#### Electrical Specifications, $T_A=25\text{ }^\circ\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		8	GHz
Insertion Loss			1.0	dB
VSWR			1.5	:1
Attenuation Step Size		1		dB
Attenuation Range	0		69	dB
Attenuation Accuracy		$\pm 0.5\text{dB}$ (0~9dB) $\pm 1.0\text{dB}$ (10~19dB) $\pm 1.5\text{dB}$ (20~49dB) $\pm 2.0\text{dB}$ (50~70dB)		dB
Average Power		2		W
Peak Power Handling (5 $\mu\text{s}$ pulse, 1% Duty Cycle)		200		W
Weight		16.93		ounces
Impedance		50		$\Omega$
Connector Type	SMA-Female			
Finish	Connectors	Stainless Steel		
	Female Pin	Beryllium Copper Gold Plated		
	Housing	Aluminum		



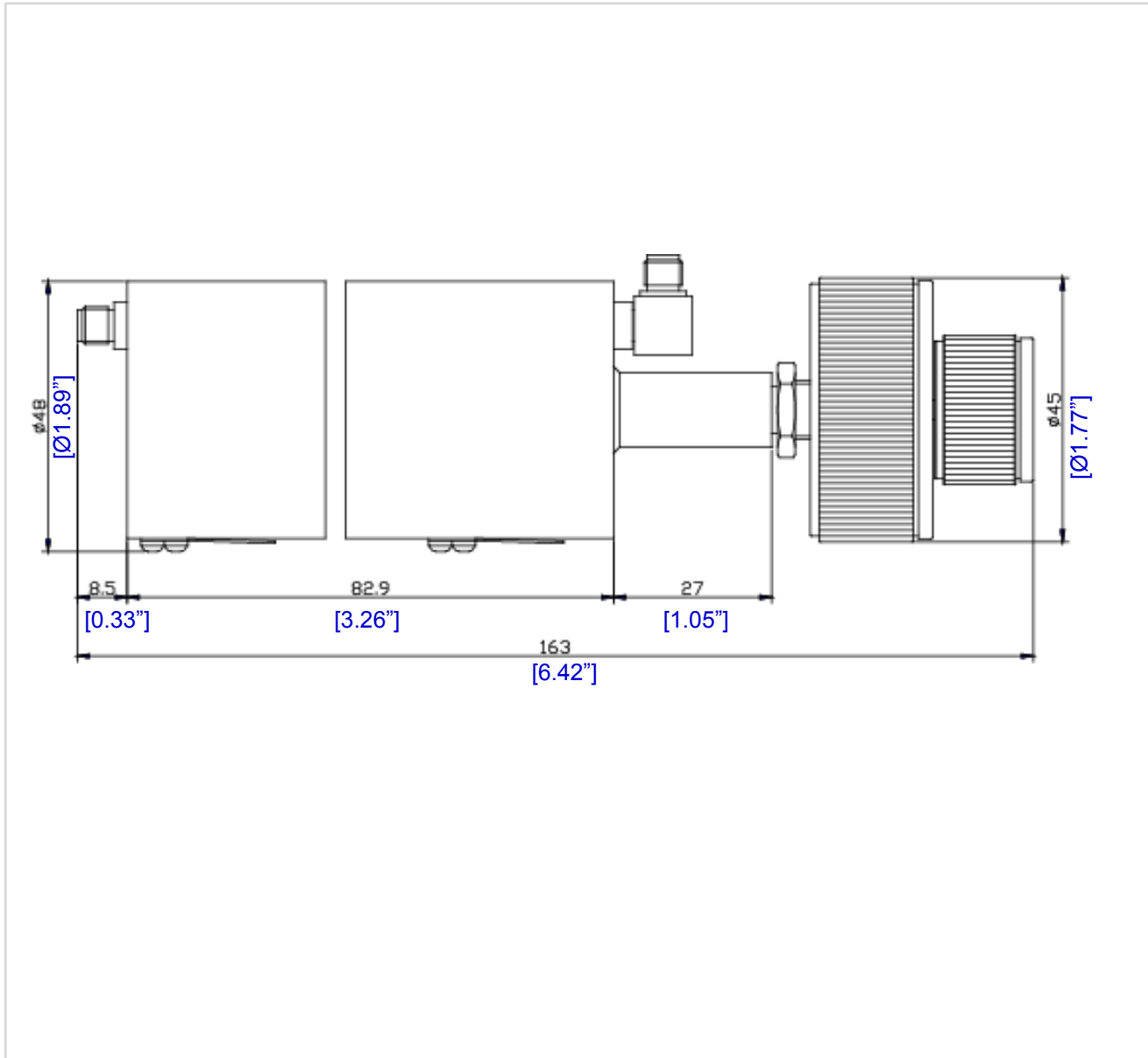
*Environmental Specifications and Test Standards*

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	0°C~+54°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)



**Outline Drawing:**

All Dimensions in mm [inches]



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