



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RKT2G8A80A

Rotary Knob Manual Control Step Attenuator 79dB Range 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			1.5	dB
VSWR			1.3	: 1
Attenuation Step Size		1		dB
Attenuation Range	0		79	dB
Accuracy	$\pm 0.5\text{dB}$ (0~9dB) $\pm 1.0\text{dB}$ (10~19dB) $\pm 1.5\text{dB}$ (20~49dB) $\pm 2.0\text{dB}$ (50~69dB) $\pm 2.5\text{dB}$ or 3.5% (70~79dB)			dB
Power			2	W
Connector	SMA			
Weight	8.82			

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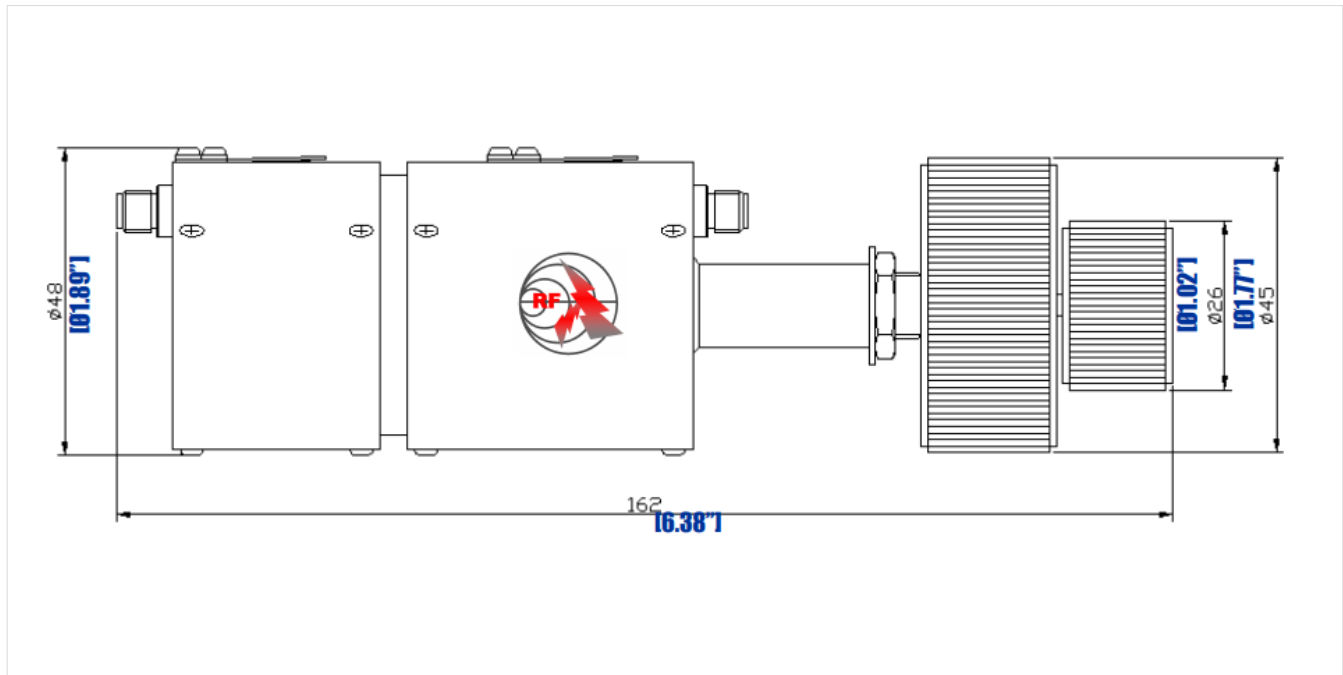


Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-10°C~+50°C
Storage Temperature		-40°C~+70°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	MIL-STD-883	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)		MIL-STD-883 (For Hermetically Sealed Units)

Outline Drawing:

All Dimensions in mm



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