



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RKT1G12A11

11dB Manual Rotary Attenuator DC – 12.4GHz



Note: The photo is for illustration purposes only.
Please refer to outline drawing

Features

- Compact package
- Adjustable during operation
- 1W CW Power Handling

Typical Applications

- Test and Measurement
- Wireless Infrastructure
- Military and Aerospace

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

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		12.4	GHz
Attenuation Step Size		1		dB
Attenuation Range		11		dB
Attenuation Accuracy		± 0.8		dB
Insertion Loss	0.6dB+0.09dB / GHz			dB
VSWR			1.6	: 1
Average Power (100W pulse with 10 μ S width)	1			W
Weight	12.52			ounces
Impedance	50			Ω
Connector Type	SMA-Female			

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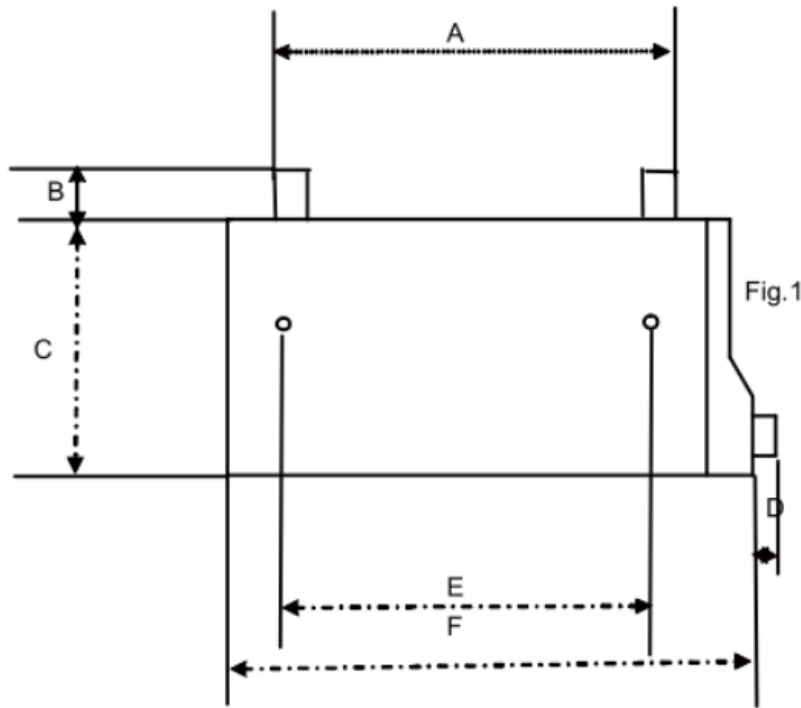
Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-20°C~+70°C
Storage Temperature		-55°C~+85°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]



Dimensions	A	B	C	D	E	F
Manual 4cells	114.4	8.3	38	29.2	103.4	135.8

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