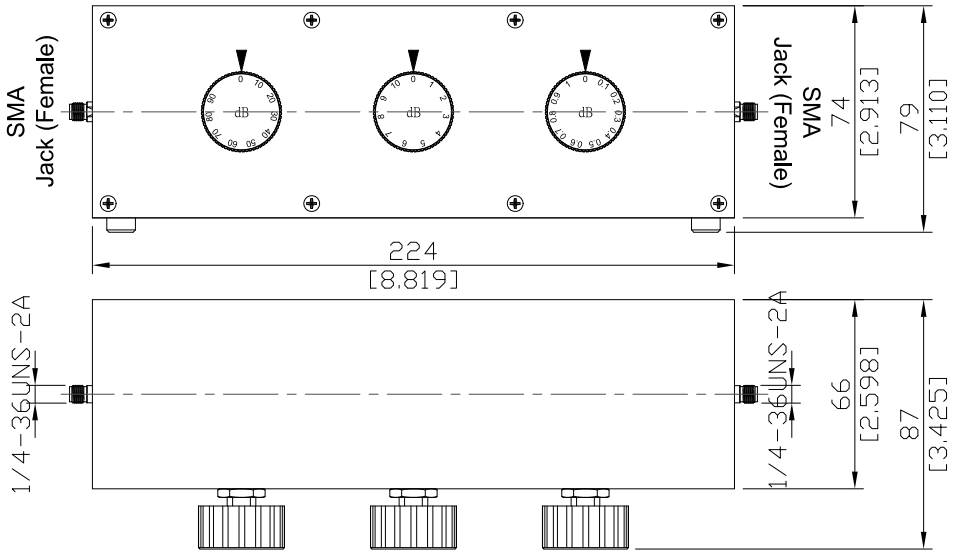
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Rotary Variable Attenuator, 0-101 dB, 0.1 dB Step, SMA Jack (Female) to SMA Jack (Female), 2W, DC-2.5 GHz

VA-A2A25A-2.5G2W0-101 / H4-H4



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

Electrical Data

Impedance	50 Ω
Frequency	DC to 2.5 GHz
VSWR (Return Loss)	≤ 1.5 (≥ 13.98 dB)
Insertion Loss	≤1.5
Attenuation Range	0 - 101 dB
Attenuation Step	0.1 dB
Average power at 25°C	2 W
Attenuation Accuracy	± 0.2 dB (0.1~1 dB) ± 0.4 dB (1~10 dB) ± 0.8 dB (10~60 dB) ± 1.5 dB (< 70 dB) ± 3.5 % (≥ 70 dB)

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
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Mechanical Data

Coupling mechanisms	Screw-On
Mating Cycles	≥ 500
Coupling Test Torque	max. 1.70 Nm
Recommended Torque	0.57 Nm

Environmental Data

Temperature Range	-20°C to + 85°C
RoHS	compliant

Packing

Single or 100

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