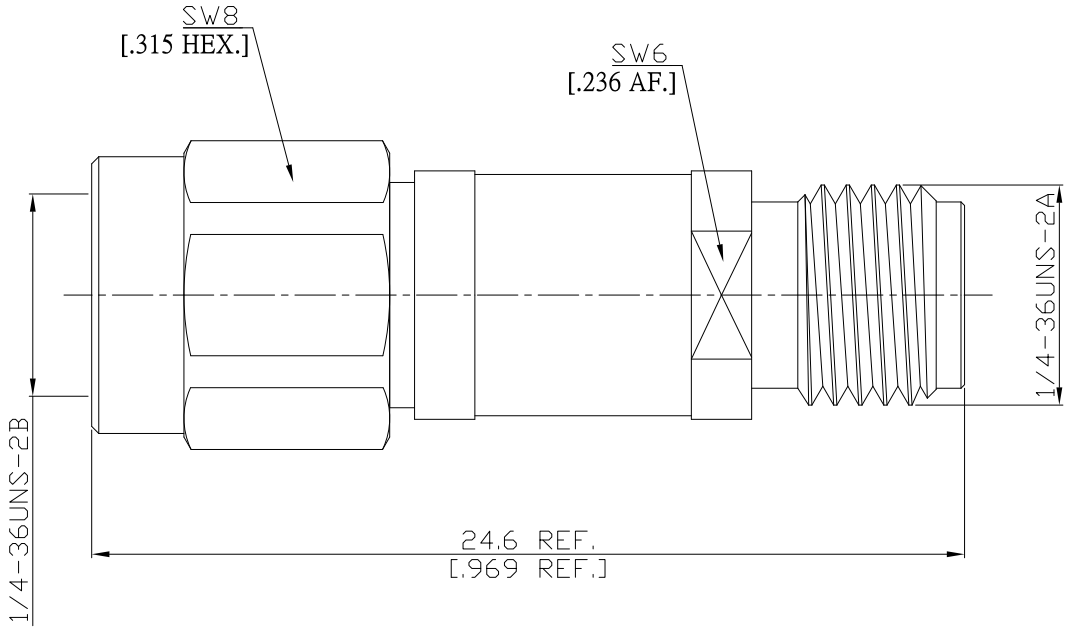
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

Fixed Attenuator SMA pulg (male) / SMA jack (female)
DC-6 GHz, 2 Watt, VSWR ≤ 1.3

FA-A1A25A-6G2W4 / 9XX-9X



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

Interface

according to	IEC 60169-15;CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

Electrical Data

Impedance	50 Ω
Frequency	DC to 6GHz
VSWR (Return Loss)	≤ 1.3 (≥ 17.69 dB)
Power handling (Watt)	2Watts average to 25°C

Accuracy Of Attenuation & Power

Nominal Attenuation (dB)	4
Deviation (± dB)	0.5

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch Non-magnetic nickel-phosphorus underplating, 100 μinch
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

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Centre contact	Beryllium Copper	Gold plating, 3 μinch Non-magnetic nickel-phosphorus underplating, 100 μinch
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 27 N
radial	≥ 3 Ncm
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm
Environmental Data	
Temperature Range	-65°C to +125°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant
Packing	
	Single or 100

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