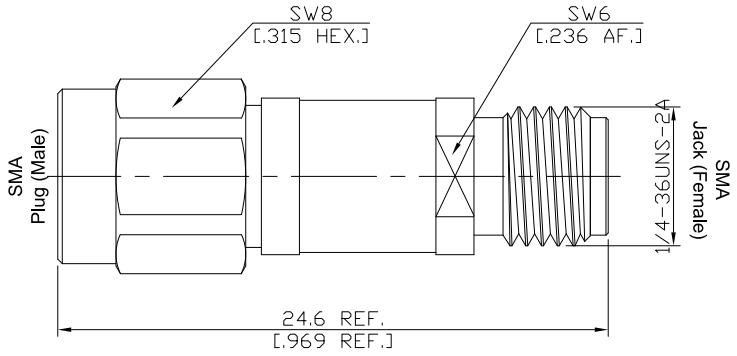
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

1 dB Fixed Attenuator, SMA Plug (Male) to SMA Jack (Female), DC – 12.4 GHz, 2 W

FA-A1A25A-12.4G2W1 / 9XX-9X



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

Interface

According to	IEC 60169-15, CECC22110, MIL-PRF-39012, MIL-STD-348B/310, EN 122110

Electrical Data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)
Average Power at 25°C	2 W

Accuracy of Attenuation & Power

Nominal Attenuation(dB)	1
Deviation (± dB)	0.5

Material and Plating

Piece Parts (SMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (SMA)	**Material**	**Plating**
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

Mechanical Data

Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-55°C to +85°C
RoHS	Compliant

Packing

Single or 100

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified