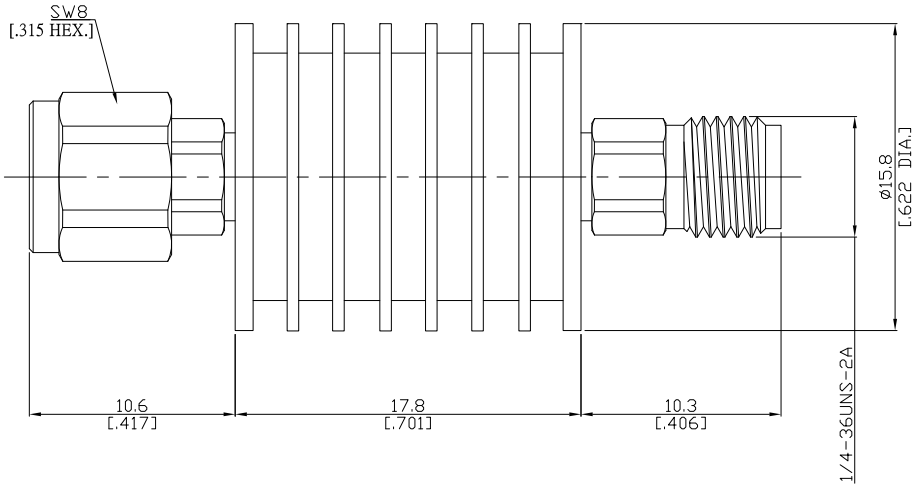
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Fixed Attenuator SMA pulg (male) / SMA jack (female)
DC-12.4 GHz, 5 Watt, VSWR ≤ 1.2

FA-A1A25A-12.4G5W10 / 9XX-9X



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

Interface

according to	IEC 60169-15; MIL-STD-348B/310

Electrical Data

Impedance	50 Ω
Frequency	DC to 12.4GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.9 dB)
Power handling (Watt)	5Watts average to 25°C

Accuracy Of Attenuation & Power

Frequency	DC to 12.4GHz		
Deviation (dB)	-0.6/+0.8		

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold Plated
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

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Centre contact	Beryllium Copper	Gold Plated
Body	Stainless Steel	Passivated
Insulator	PEI	

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N-CAGE Code: SFKK0 / ISO9001 Certified

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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 +155°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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