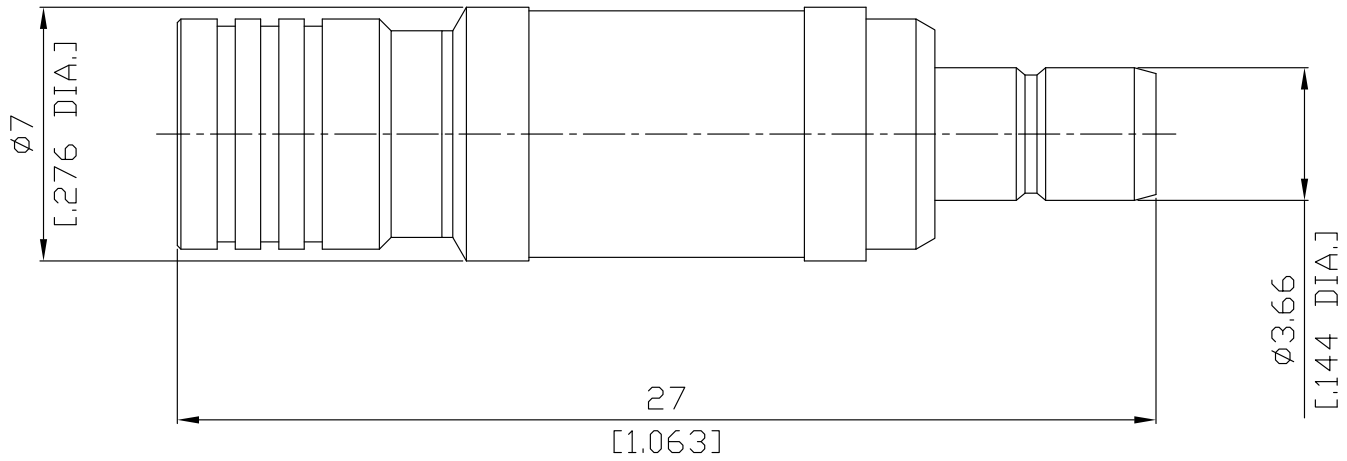
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

SMB Plug (Male) to SMB Jack (Female)
Fixed Attenuator, DC-4 GHz, VSWR ≤1.25

FA-S1S25A-4G2W1 / H1-H1



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

Interface

According to	IEC 60169-10; MIL-STD-348A/311

Electrical Data

Impedance	50 Ω
Frequency	DC to 4 GHz
VSWR (Return Loss)	DC to 2 GHz: ≤1.1(≥ 26.44 dB) ; 2 to 4 GHz: ≤1.25(≥ 19.08 dB)
Input Power	2 Watts
Peak Power	250 W

Accuracy Of Attenuation & Power

ATTN. (dB)	DEVIATION (dB) DC- 4 GHz	AVG. *INPUT POWER @ 25°C
1	± 0.50dB	2.0 WATTS
2		
3	± 0.30dB	
4		
5		
6		
7	± 0.50dB	
8		
9		
10		
20	± 0.70dB	
30	± 1.00dB	

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Material And Plating

Piece Parts	Material	Plating
Centre Contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Snap-on
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 10 N
Engagement force	≤ 63 N
Disengagement force	8 N min. to 63 N max.

Environmental Data

Temperature Range	-55°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 B
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100

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