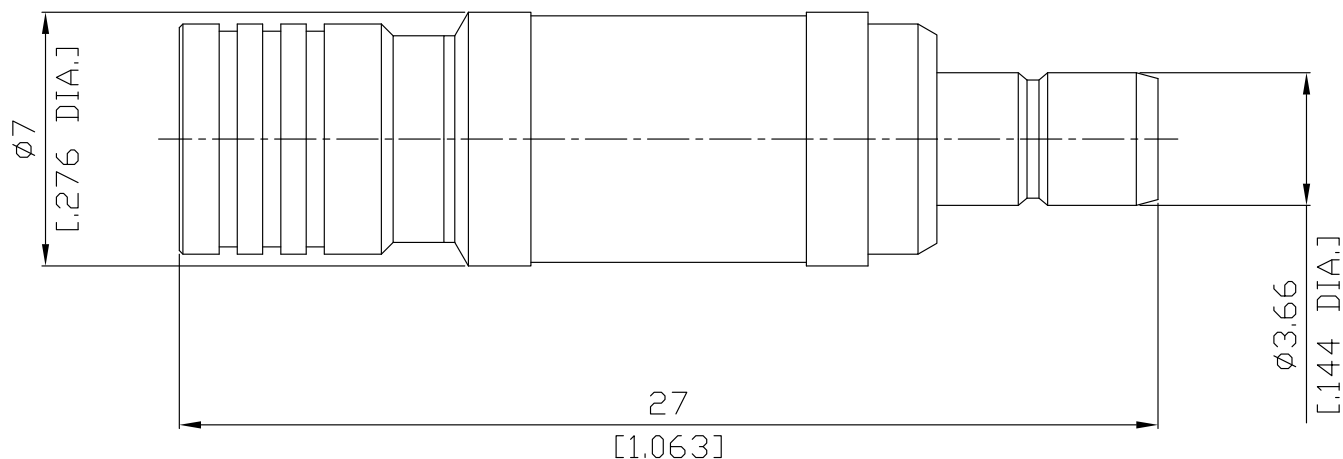


SMB Plug (Male) to SMB Jack (Female)
Fixed Attenuator, DC-4 GHz, VSWR ≤ 1.25

FA-S1S25A-4G2W20 / 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)	AVG. *INPUT POWER @ 25°C
	DC- 4 GHz	
1	± 0.50dB	2.0 WATTS
2		
3		
4	± 0.30dB	
5		
6		
7		
8	± 0.50dB	
9		
10		
20		
30	± 1.00dB	

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.

Rev.:-

Date:
12/7/2020

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

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

FA-S1S25A-4G2W20 / H1-H1

Material And Plating

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

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