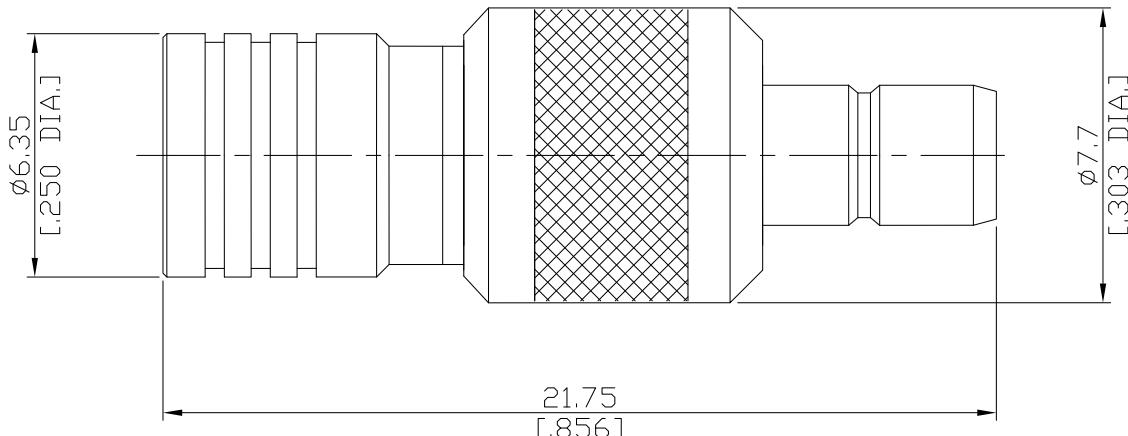


SMB plug (male) / SMB jack (female) Straight Adaptor
 DC- 4 GHz, VSWR \leq 1.35

AD-S1S25A / 911-91


All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 60169-10; MIL-STD-348B/311

Electrical Data

Impedance	50 Ω
Frequency	DC to 4 GHz
VSWR (Return Loss)	≤ 1.35 (≥ 16.5 dB)
Insertion Loss	$\leq 0.1 \times \sqrt{F}$ (GHz) dB
Insulation resistance	≥ 1 G Ω
Center contact resistance	≤ 5 m Ω
Outer contact resistance	≤ 2.5 m Ω
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	≤ 250 V rms, 50 Hz, at sea level
Contact current	1.5 A DC typ.
RF-leakage	≥ 55 dB up to 1 GHz

Material And Plating

Piece Parts (SMB)	Material	Plating
Centre contact	Beryllium Copper	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	
Coupling nut	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
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Mechanical Data

Coupling mechanisms	Snap-lock
Mating cycles	\geq 500
Center contact captivation: axial	\geq 10 N
Engagement force	\leq 63 N
Disengagement force	8 N min. to 63 N max.

Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100