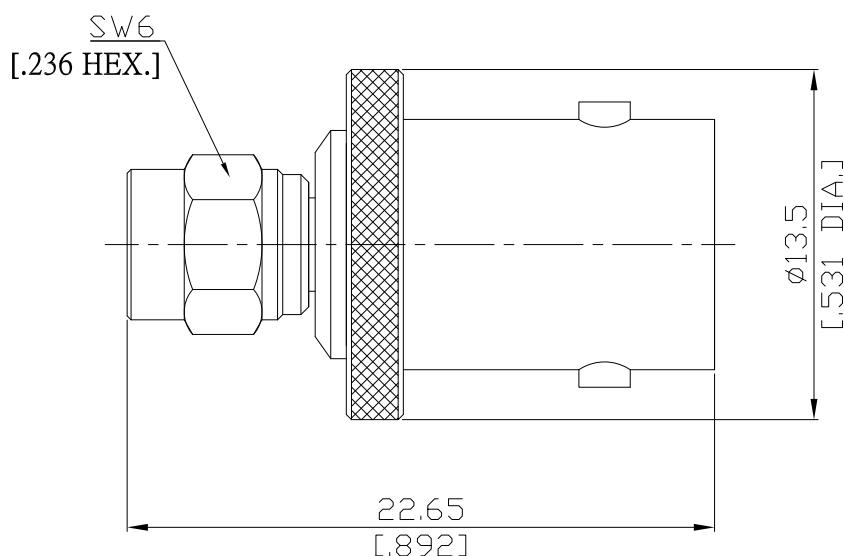


SMC plug (male) / BNC jack (female)
Adapter DC-4 GHz VSWR1.35

AD-MC1B25A / 911-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMC side according to

IEC 60169-9; MIL-STD-348B/312

BNC side according to

IEC 60169-8; MIL-STD-348/301

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.54 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 1 GΩ

Center Contact Resistance

≤ 5 mΩ, SMC side

≤ 1.5 mΩ, BNC side

Outer Contact Resistance

≤ 2.5 mΩ, SMC side

≤ 1 mΩ, BNC side

Material And Plating

Piece Parts (SMC)	Material	Plating
Centre contact	Beryllium Copper	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	
Coupling nut	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Piece Parts (BNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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Mechanical Data

	SMC Side	BNC Side
Coupling mechanisms	Screw-lock	Bayonet-lock
Mating Cycles	min. 500	min. 500
Coupling nut retention	≥ 150 N	N/A
Coupling test torque	max. 0.71 Nm	N/A
Recommended torque	0.25 Nm to 0.35 Nm	N/A
Center contact captivation: axial	≥ 10 N	≥ 27 N

Environmental Data

Temperature Range	-65°C to +165°C
RoHS	compliant

Packing

Single or 100