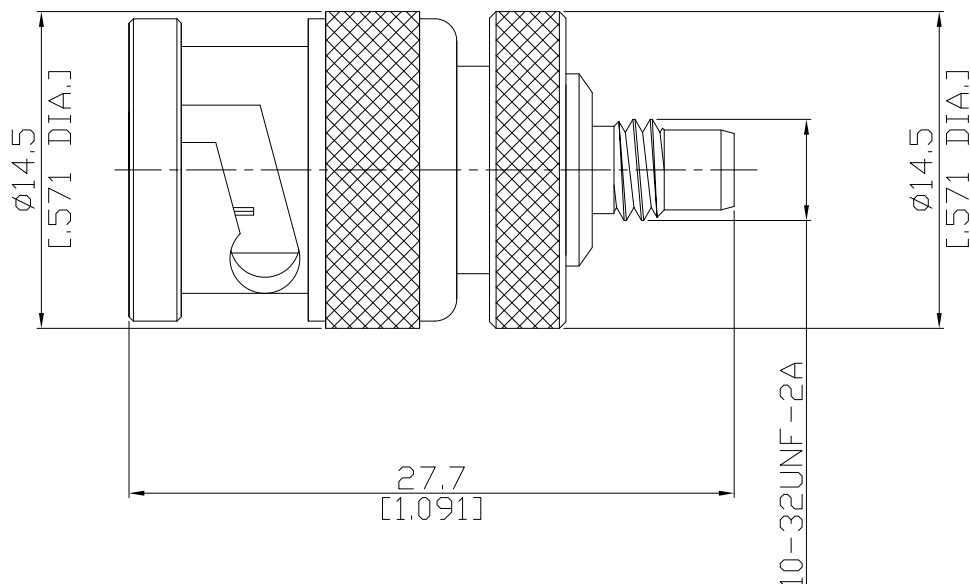


BNC plug (male) / SMC jack (female)
Straight adaptor DC- 4GHz VSWR1.35

AD-B1MC25A / 144-11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

BNC according to

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

SMC according to

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

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

Center contact resistance

≤ 1.5 mΩ, BNC side;

≤ 5 mΩ, SMC

Outer contact resistance

≤ 1 mΩ, BNC side;

≤ 2.5 mΩ, SMC

Test voltage

750 V rms, 50 Hz, at sea level

Working voltage

≤ 250 V rms, 50 Hz, at sea level

RF-leakage

≥ 90 dB up to 1 GHz

Material And Plating

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

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

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Mechanical Data

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

Environmental Data

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

Packing

Single or 100