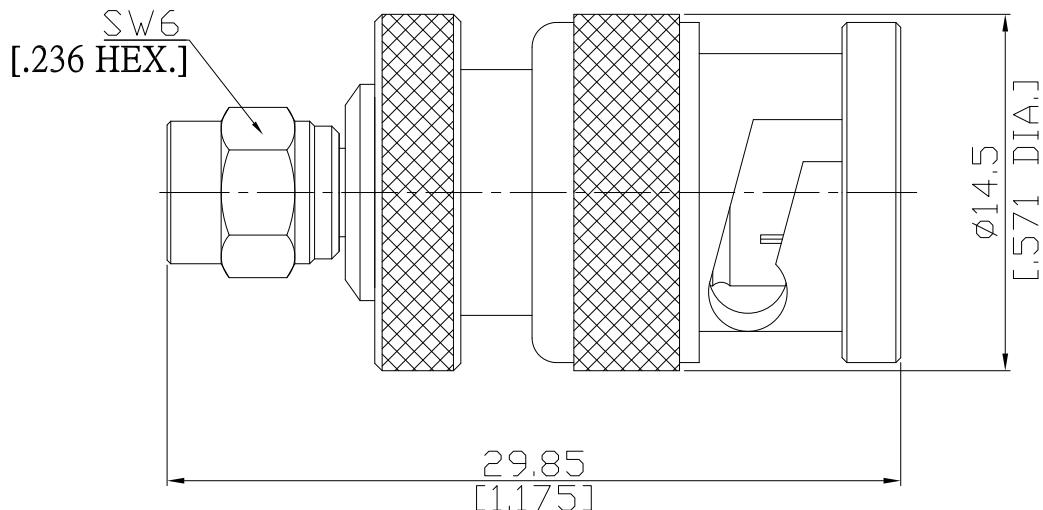


SMC plug (male) / BNC plug (male)
 Adapter DC-4 GHz VSWR1.35

AD-MC1B15A / 911-944



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
Outer Contact Resistance	≤ 1.5 mΩ, BNC side
	≤ 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	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy



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Mechanical Data

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

Environmental Data

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

Packing

Single or 100