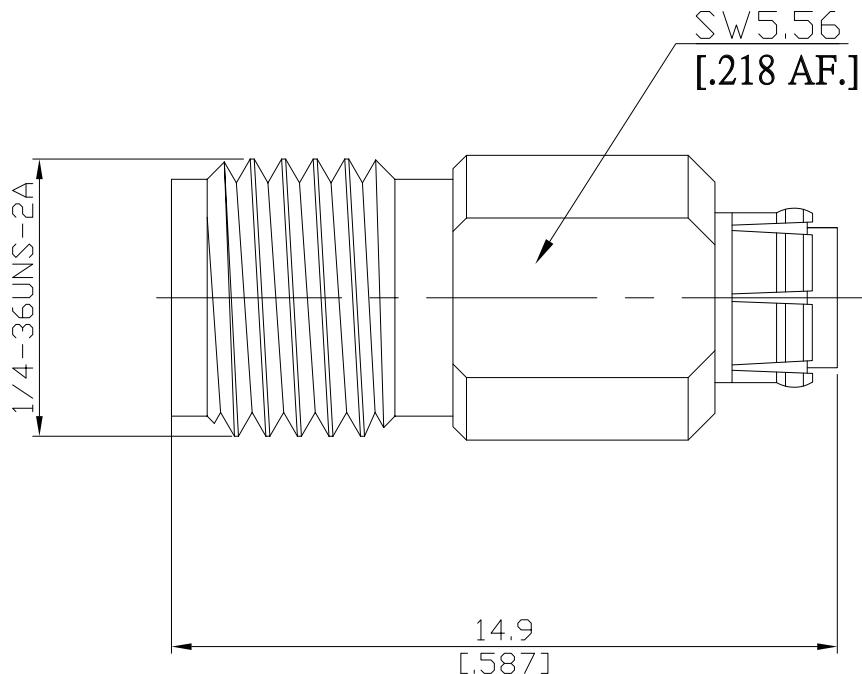


MMBX Plug Snap-On to SMA Female Straight Adapter,
DC-12.4GHz VSWR≤1.08

AD-BX1A25A / 91-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

InterfaceSMA according to
MMBX according toIEC 60169-15; MIL-STD-348A/310
N/A**Electrical Data**

Impedance	50 Ω	
Frequency	DC to 12.4 GHz	
VSWR (Return Loss)	≤ 1.08 (≥ 28.3 dB)	
Insertion loss	≤ 0.42 dB	
Insulation resistance	≥ 1 GΩ	
Center contact resistance	≤ 3 mΩ, SMA side	≤ 5.0 mΩ, MMBX side;
Outer contact resistance	≤ 2 mΩ, SMA side	≤ 1 mΩ, MMBX side;
Test voltage	500 V rms	
Working voltage	330 V rms	

Material And Plating

Piece Parts (SMA)	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	
Piece Parts (MMCX)	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	

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DC-12.4GHz VSWR≤1.08

AD-BX1A25A / 91-91

Mechanical Data

	SMA side	MMBX side
Coupling mechanisms	Screw-lock	Snap-lock
Mating cycles	≥ 500	≥ 500
Center contact captivation: axial	≥ 27 N	≥ 30 N
Engagement force	N/A	≥ 30 N
Disengagement force	N/A	8 N min. to 30 N max.
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.8 Nm to 1.1 Nm	N/A

Environmental Data

Temperature range	-55 °C to +155 °C
Thermal shock	MIL-STD-202, method 107 G, condition B1
Vibration	MIL-STD-202, method 204 D, condition A
Corrosion	MIL-STD-202, method 101, condition B
Moisture resistance	MIL-STD-202, method 106 F
RoHS	compliant

Packing

Single or 100