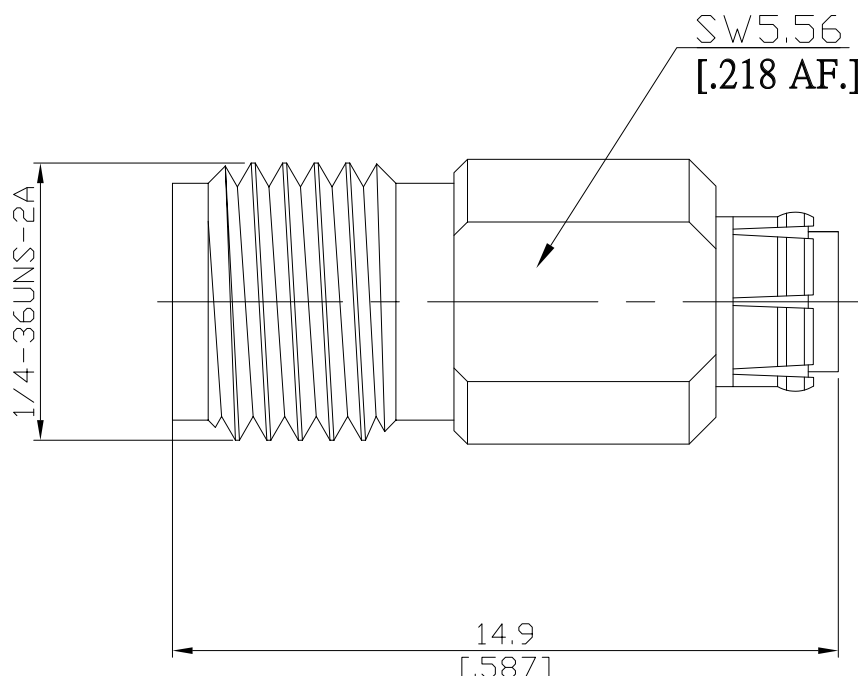


MMBX Plug Snap-On to SMA Female Straight Adapter,
DC-12.4GHz VSWR≤1.08

AD-BX1A25A / 91-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to
MMBX according to

IEC 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
Outer contact resistance ≤ 2 mΩ, SMA side
Test voltage 500 V rms
Working voltage 330 V rms

≤ 5.0 mΩ, MMBX side;
≤ 1 mΩ, MMBX side;

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	
Piece Parts (MMCX)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:
Date:
JUL/16/2021

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

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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