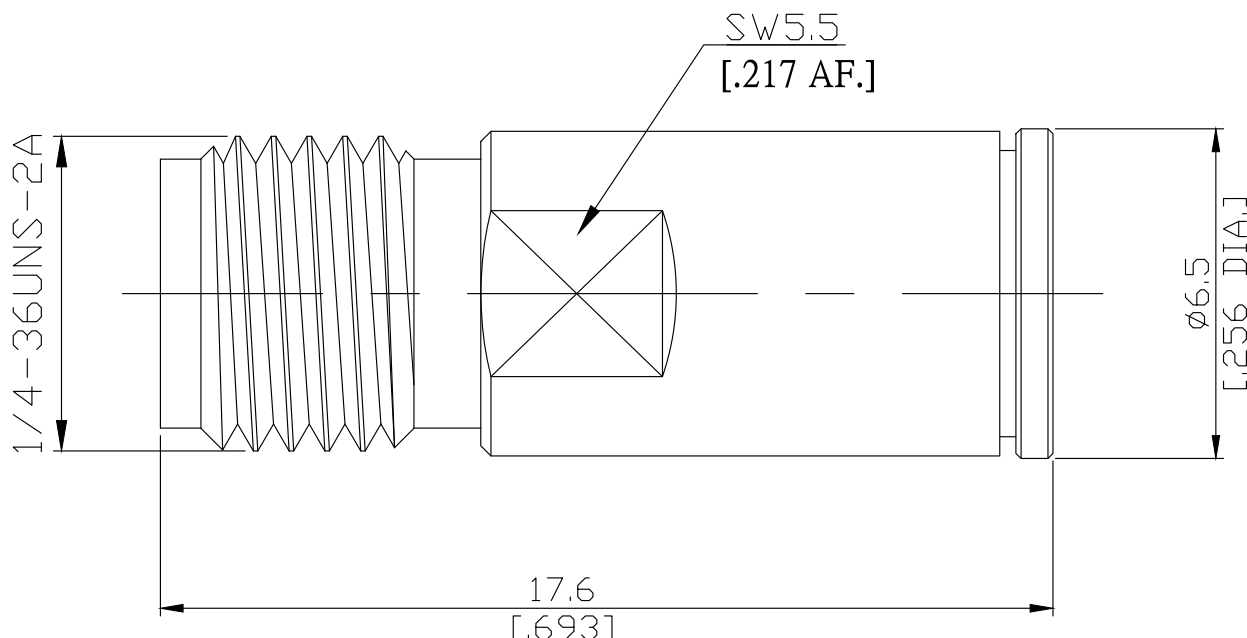


SMA FEMALE-MMBX FEMALE STRAIGHT ADAPTER
DC-12.4GHz VSWR1.08

AD-A2BX25A / 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	≤ 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 (MMBX)	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	

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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SMA FEMALE-MMBX FEMALE STRAIGHT ADAPTER
DC-12.4GHz VSWR1.08

AD-A2BX25A / 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