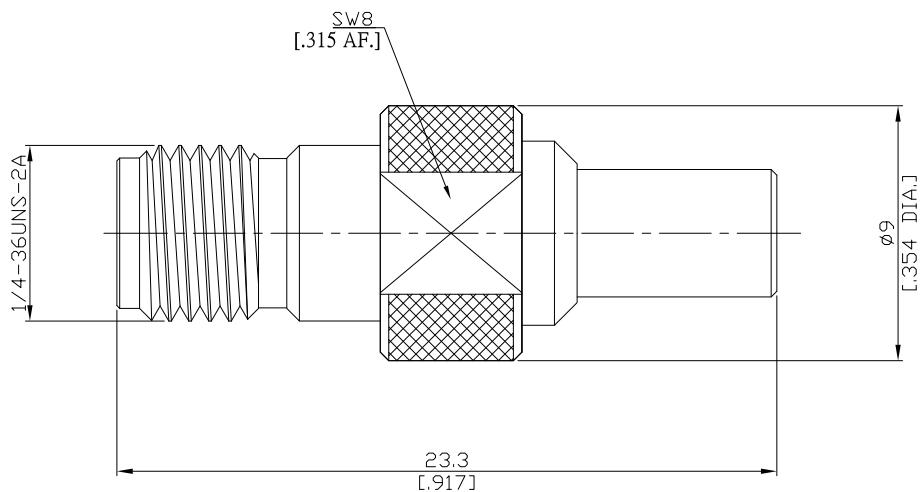


SMA jack (female) / MCX jack (female)
Straight adaptor DC- 6 GHz VSWR ≤ 1.20

AD-A2M25A / 91-9H



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

IEC 60169-15; MIL-STD-348B/310

MCX according to

IEC 60169-36

Electrical Data

Impedance

50 Ω

Frequency

DC to 6 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 1 GΩ

Center contact resistance

≤ 3 mΩ, SMA side

≤ 5.0 mΩ, MCX side;

Outer contact resistance

≤ 2 mΩ, SMA side

≤ 2.5 mΩ, MCX side;

Test voltage

750 V rms

Working voltage

335 V rms

Contact Current

1.5A DC max.

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 (MCX)

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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Mechanical Data

Coupling mechanisms	SMA side	MCX side
Mating cycles	Screw-lock	Snap-lock
Center contact captivation: axial	≥ 500	≥ 500
Engagement force	≥ 27 N	≥ 27 N
Disengagement force	N/A	≤ 25 N
Coupling test torque	N/A	8 N min. to 20 N max.
Recommended torque	max. 1.7 Nm	N/A
	0.8 Nm to 1.1 Nm	N/A

Environmental Data

Temperature range	-55 °C to +155 °C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Packing

Single or 100