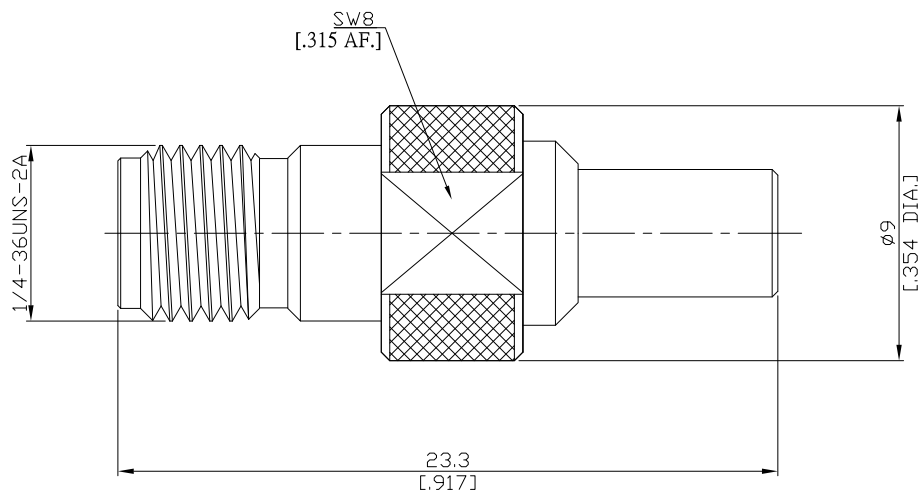


SMA jack (female) / MCX jack (female)  
Straight adaptor DC- 6 GHz VSWR ≤ 1.20

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

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

## AD-A2M25A / 91-9H

### Mechanical Data

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