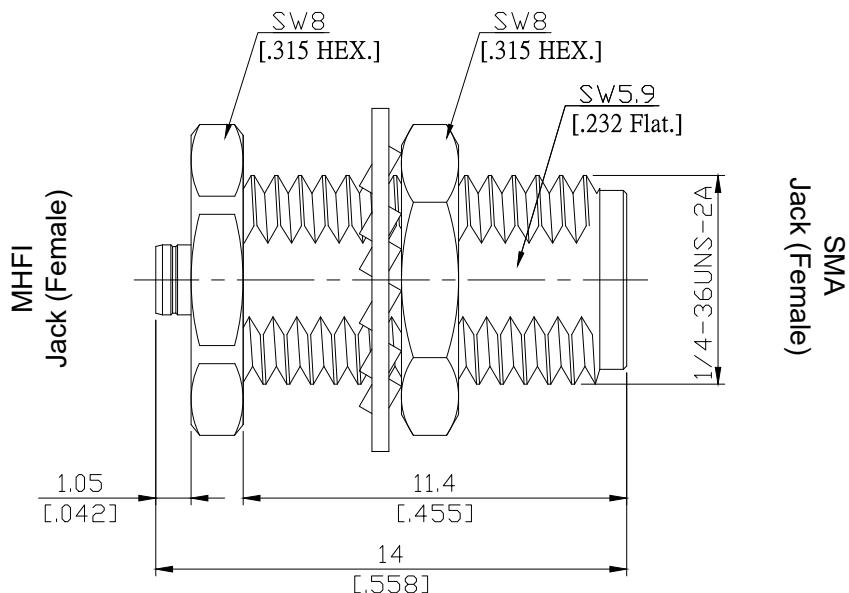


SMA jack (female) / MHFI jack (female)  
 Straight adaptor DC- 10 GHz

## AD-A2MHFI25A-BH / 91-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

SMA according to

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

MHFI according to

N/A

## Electrical Data

Impedance

50 Ω

Frequency

DC to 10 GHz

VSWR(Return loss)

≤ 1.4 ( $\geq 15.6$  dB)

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ, SMA side

Outer contact resistance

≤ 2 mΩ, SMA side

Test voltage

1000 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

Gasket

Silicone Rubber

Coupling nut

Brass

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

## Piece Parts (MHFI)

## 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

SMA jack (female) / MHFI jack (female)  
Straight adaptor DC- 10 GHz

## AD-A2MHFI25A-BH / 91-91

## Mechanical Data

Coupling mechanisms	SMA side	MHFI side
Mating cycles	Screw-lock	Slide-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 27 N	N/A
Recommended torque	≤ 1.7 Nm	N/A
	0.8 Nm to 1.1 Nm	N/A

## Environmental Data

Temperature Range	-55 °C to +165 °C
RoHS	compliant

## Packing

Single or 100