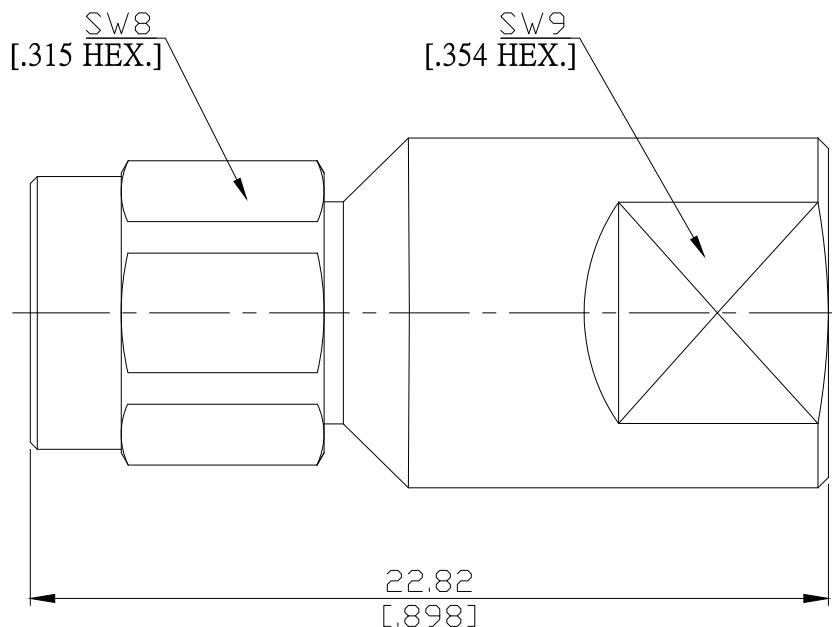


SMA plug (male) / FME plug (male)  
 Straight Adaptor DC-2.5 GHz

AD-A1E15A / 144-14



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

SMA according to

IEC 61169-8; MIL-STD-348B/301

FME according to

N/A

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 2.5 GHz

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ, SMA side;

≤ 10 mΩ, FME side

Outer contact resistance

≤ 2 mΩ, SMA side;

≤ 1.5 mΩ, FME side

Test voltage

1000 V rms

Working voltage

480 V rms

**Material And Plating****Piece Parts (SMA)****Material****Plating**

Centre contact

Brass

Gold plating, 3 µinch

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

Body

Brass

Copper-Tin-Zinc Alloy

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Copper-Tin-Zinc Alloy

**Piece Parts (FME)****Material****Plating**

Centre contact

Brass

Gold plating, 3 µinch

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

Body

Brass

Copper-Tin-Zinc Alloy

Insulator

PTFE

SMA plug (male) / FME plug (male)  
Straight Adaptor DC-2.5 GHz

## AD-A1E15A / 144-14

## Mechanical Data

Coupling mechanisms	SMA side	FME side
Mating cycles	Screw-lock	Screw-lock
Coupling nut retention	min. 500	min. 300
Center contact captivation: axial	≥ 270 N	N/A
Coupling test torque	≥ 27 N	≥ 28 N
Recommended torque	max. 1.7 Nm	max. 2 Nm
	0.8 Nm to 1.1 Nm	N/A

## Environmental Data

Temperature Range	-65°C to +165°C
RoHS	compliant

## Packing

Single or 100