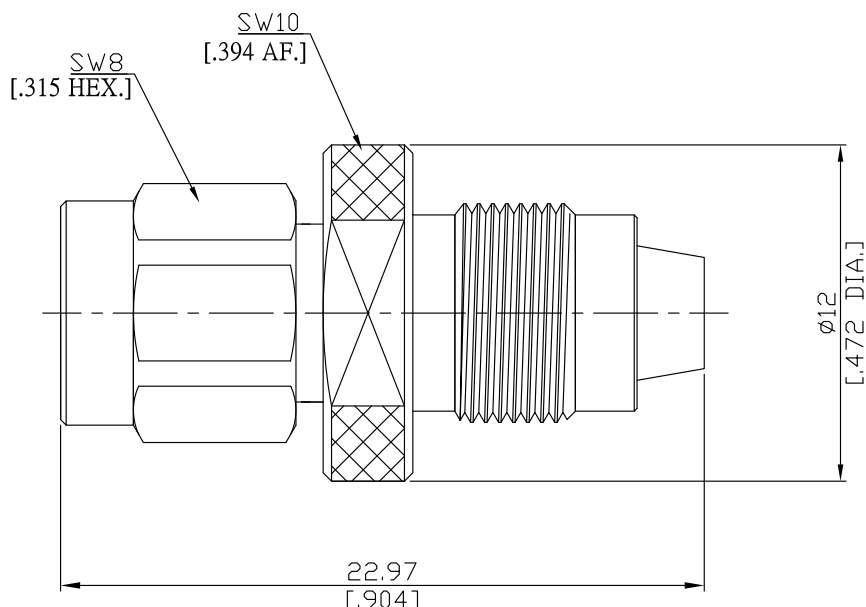


SMA plug (male) / FME jack (female)
Straight Adaptor DC-2.5 GHz

AD-A1E25A / 144-94



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 pinch (Non-magnetic nickel-phosphorus underplating, 80 μinc)
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	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 μinc)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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Mechanical Data

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

Environmental Data

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

Packing

Single or 100