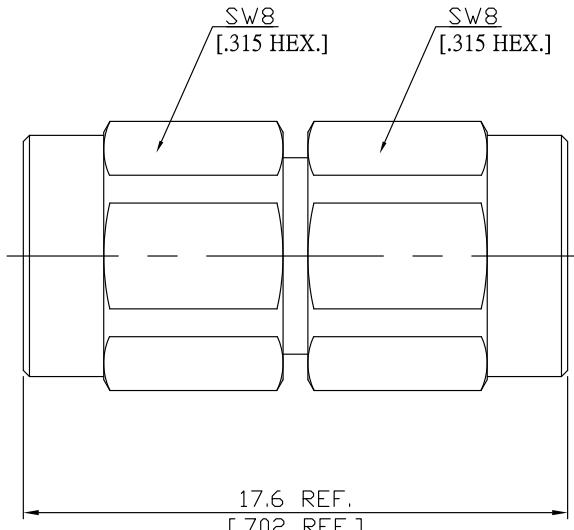


SMA pulg (male) / SMA pulg (male) Straight Adaptor  
DC-18 GHz, VSWR ≤ 1.20

## AD-A1A15B / 111-111



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

according to

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

## Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ

Outer contact resistance

≤ 2 mΩ

Test voltage

1000 V rms

Working voltage

480 V rms

Power handling

≤ 200 W @ 2 GHz

RF-leakage

≥ 100 dB up to 1 GHz

## Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Brass	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)
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#### Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	$\geq$ 500
Center contact captivation: axial	$\geq$ 27 N
radial	$\geq$ 3 Ncm
Coupling test torque	$\leq$ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

#### Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

#### Packing

Single or 100