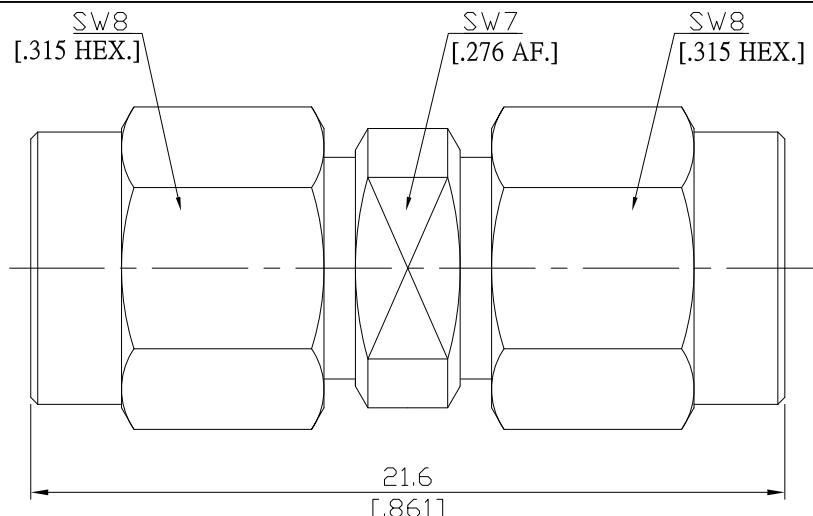


**SMA plug (male) / SMA R/P plug (male) Straight Adaptor**  
**DC-18 GHz, VSWR  $\leq$  1.20**

**AD-A1A55A / 911-911**



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 $\Omega$
Frequency	DC to 18 GHz
VSWR (Return Loss)	$\leq 1.20$ ( $\geq 20.83$ dB)
Insertion Loss	$\leq 0.05 \times \sqrt{F}$ (GHz) dB
Insulation resistance	$\geq 5$ G $\Omega$
Center contact resistance	$\leq 3$ m $\Omega$
Outer contact resistance	$\leq 2$ m $\Omega$
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling	$\leq 200$ W @ 2 GHz
RF-leakage	$\geq 100$ dB up to 1 GHz

**Material And Plating**

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Brass	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
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The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:

JUL/16/2021

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N-CAGE Code: SFKK0 / ISO9001 Certified

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DC-18 GHz, VSWR  $\leq$  1.20

**AD-A1A55A / 911-911**

**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