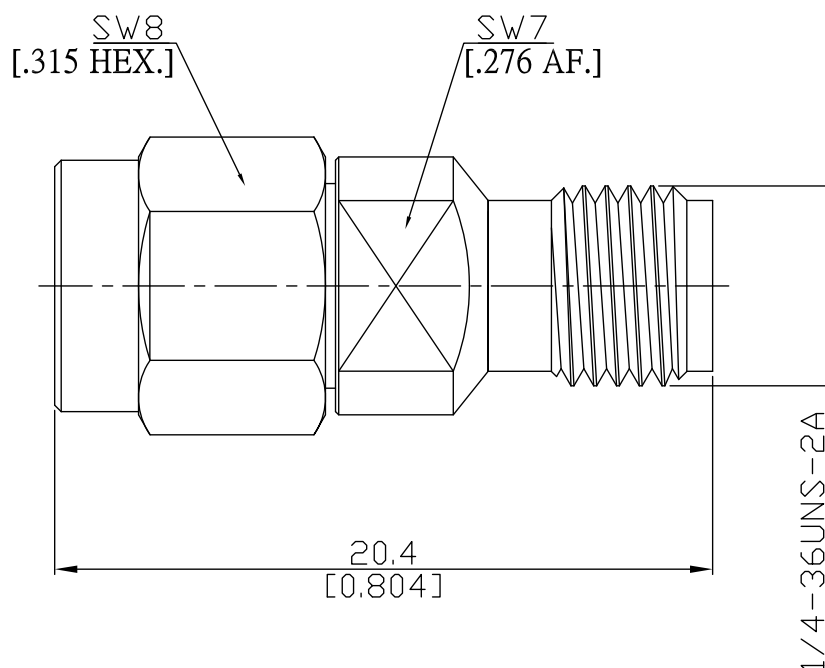


SMA plug (male) / 2.92mm jack (female) Adapter
DC-18 GHz VSWR1.15

AD-A1K25B / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to
2.92mm according to

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

IEC 61169-35

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

$\leq 0.05 \times \sqrt{F}$ (GHz) dB

Dielectric Withstanding Voltage

750 Vrms

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Coupling nut	Stainless Steel	Passivated
Piece Parts (2.92mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	

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Mechanical Data

	SMA side	2.92mm side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center contact captivation	≥ 10 N	≥ 20 N
Coupling test torque	max. 1.7 Nm	1.70 Nm
Recommended Torque	0.8 Nm to 1.1 Nm	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-55°C to +125°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100