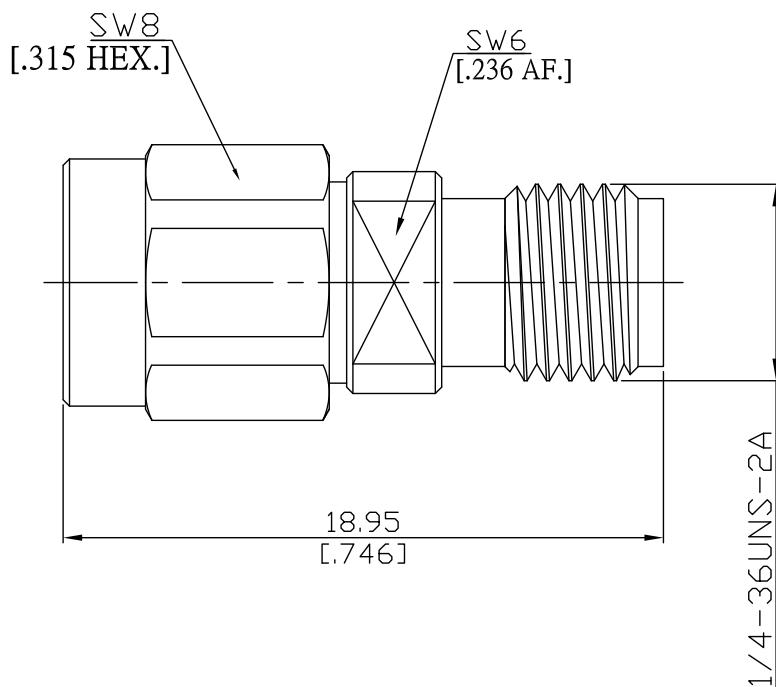


Precision SMA plug (male) / 2.92mm jack (female) Adapter
DC-27 GHz VSWR1.15

AD-PCA1K25A / 111-H1



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Precision SMA according to IEC 60169-15; MIL-STD-348B/310
2.92mm according to IEC 61169-35

Electrical Data

Impedance 50 Ω
Frequency DC to 27 GHz
VSWR (Return Loss) ≤ 1.15 (\geq 23.13 dB)
Insertion Loss ≤ 0.05 x \sqrt{F} (GHz) dB
Dielectric Withstanding Voltage 750 Vrms

Material And Plating

Piece Parts (Precision SMA)	Material	Plating
Centre contact	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PTFE	
Coupling nut	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Piece Parts (2.92mm)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PS	
Gasket	Silicone Rubber	

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:
12/7/2020

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Mechanical Data

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