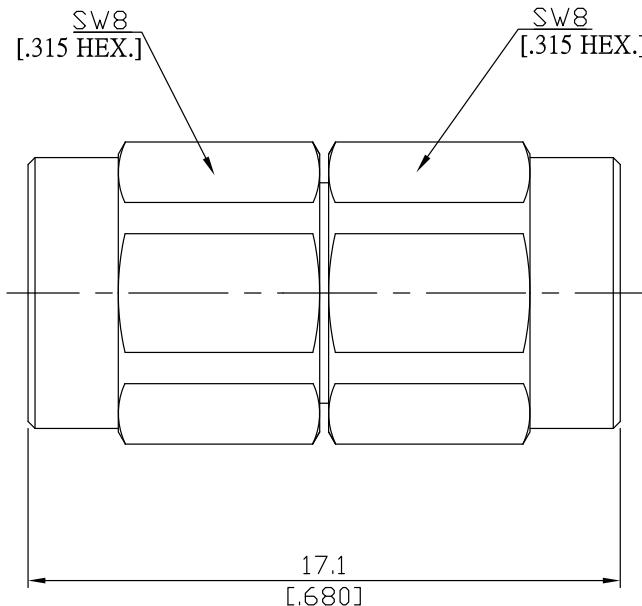


2.92mm plug (male) / Precision SMA plug (male) Adapter
DC-27 GHz VSWR1.15

AD-K1PCA15A / 111-111



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

2.92mm according to

IEC 61169-35

Precision SMA according to

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

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

Test voltage

500 Vrms

Working voltage

750 Vrms

Material And Plating

Piece Parts (2.92mm)

	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	PS	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)

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)

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	2.92mm side	Precision SMA side
Mating Cycles	Screw-lock	Screw-lock
Center contact captivation	≥ 500	≥ 500
Coupling test torque	≥ 20 N	≥ 10 N
Recommended Torque	1.70 Nm	max. 1.7 Nm
	0.80 Nm to 1.10 Nm	0.8 Nm to 1.1 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
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100