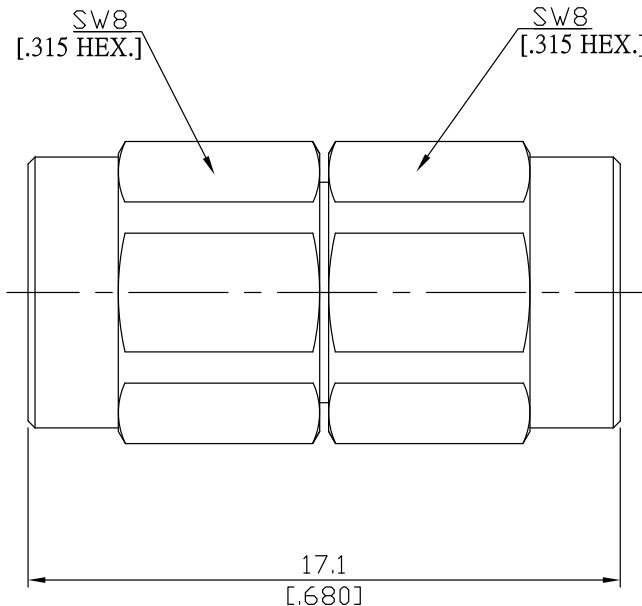


2.92mm plug (male) / Precision SMA plug (male) Adapter
DC-27 GHz VSWR1.15

AD-K1PCA15A / 9XX-9XX



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	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

Piece Parts (Precision SMA)

	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Coupling nut	Stainless Steel	Passivated

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

AD-K1PCA15A / 9XX-9XX

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