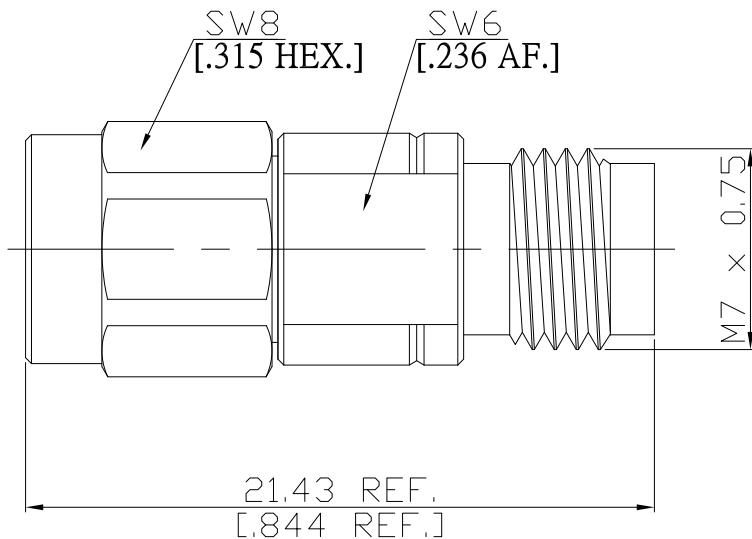


Precision SMA Plug (Male) to 2.4mm Jack (Female) Adapter DC-27GHz VSWR1.15

AD-PCA1Q25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with
According to

Precision SMA Side
2.92mm and 3.5mm
IEC 60169-15, MIL-STD-348B/310

2.4mm Side
1.85mm
IEC 61169-40, IEEE Std 287

Electrical Data

Impedance	50 Ω
Frequency	DC to 27 GHz
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance 2.4mm	≤ 4 mΩ
Outer Contact Resistance 2.4mm	≤ 2.5 mΩ
Center Contact Resistance Precision SMA	≤ 3 mΩ
Outer Contact Resistance Precision SMA	≤ 2 mΩ
Test Voltage (at sea level)	500 V rms
Working Voltage (at sea level)	150 V rms
RF Leakage	≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (Precision SMA)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (2.4mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	

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:
6/23/2019

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Mechanical Data

Coupling mechanisms	Precision SMA Side	2.4mm Side
Mating Cycles	Screw-lock	Screw-lock
Coupling Nut Retention	≥ 500	≥ 500
Center Contact Captivation	≥ 270 N	≥ 270 N
Coupling Test Torque	≥ 20 N	≥ 20 N
Recommended Torque	1.70 Nm max.	1.65 Nm max.
	0.9 Nm	0.9 Nm

Environmental Data

Temperature Range	-55 °C to +165 °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

Standard	Single
Weight	N/A