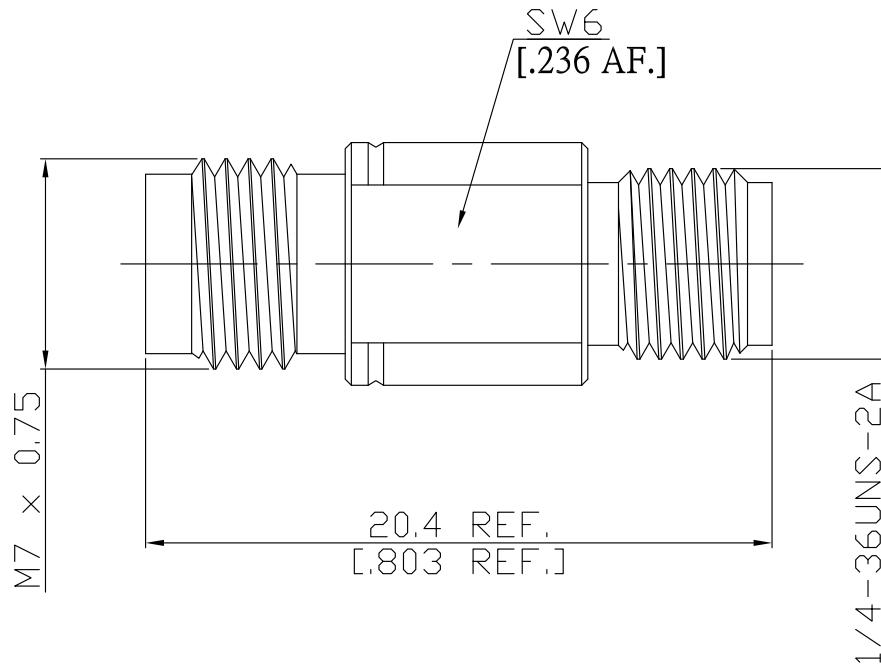


2.4mm jack (female) / Precision SMA jack
Straight Adaptor DC-27 GHz, VSWR ≤ 1.12

AD-Q2PCA25A / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

2.4mm according to

IEC 61169-40; MIL-STD-348B/324

Precision SMA according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.12 (≥ 24.94 dB)

Insertion Loss

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

Insulation resistance

≥ 5 G Ω

RF-leakage

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (2.4mm)

	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	

Piece Parts (Precision N)

	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	

2.4mm jack (female) / Precision SMA jack
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AD-Q2PCA25A / 9X-9X

Mechanical Data

Coupling mechanisms	2.4mm side	Precision SMA side
Mating cycles	≥ 500	Screw-lock
Center contact captivation	≥ 500	≥ 500
Coupling test torque	≥ 20 N	≥ 27 N
Recommended torque	1.65 Nm	max. 1.7 Nm
	0.80 Nm to 1.10 Nm	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-60°C to +100°C
RoHS	compliant

Packing

Single or 100