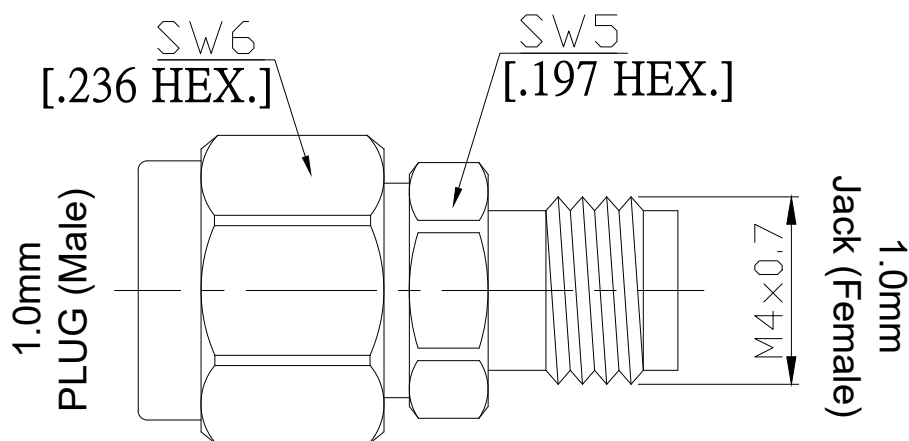




1.0mm plug (male) / 1.0mm jack (female) Adapter DC-110GHz

AD-W1W25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 60169-31

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≥ 15 dB, 50 GHz to 75 GHz ≥ 12 dB, 75 GHz to 110 GHz
Insertion Loss	≤ 0.05 x √F (GHz) dB
Center Contact Resistance	≤ 4 mΩ
Outer Contact Resistance	≤ 2 mΩ
Insulation Resistance	≥ 5 GΩ
Working voltage	150 V rms
RF Leakage	≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (1.0mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling nut	Stainless Steel	Passivated
Gasket	Silicone Rubber	
Piece Parts (1.0mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

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Mechanical Data

Coupling mechanisms	1.0mm Side
Mating Cycles	Screw-lock
Maximum torque	≥ 500
Recommended Torque	0.70 Nm
	0.35 Nm

Environmental Data

Temperature Range	-55°C to +125°C
RoHS	compliant

Packing

Standard	Single or 100
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