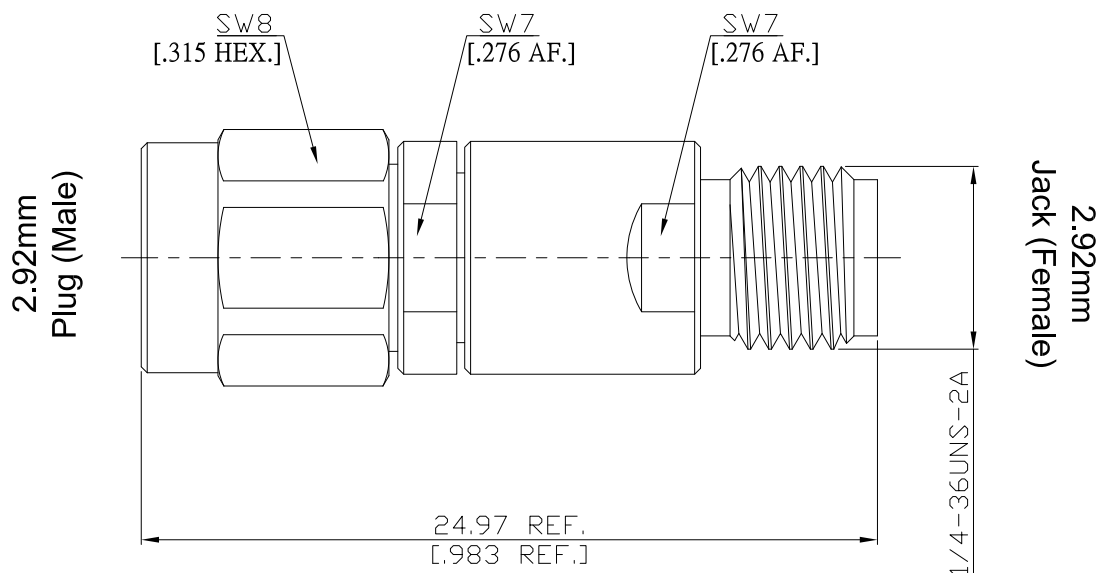


2.92mm Plug (Male) to 2.92mm Jack (Female) inner DC Block
70MHz to 40GHz VSWR1.15, DC Rated 50 Volt

DB-K1K25A-40G50V / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-35

IEEE Std 287-2007

Electrical Data

Impedance

50 Ω

Frequency

70 MHz to 40 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.8 dB

Voltage rating (Volts)

DC 50 V Max.

DC Block Type

Inner

Material And Plating

Piece Parts (2.92mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling nut	Stainless Steel	Passivated
Piece Parts (2.92mm)	Material	Plating
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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 270 N
Center contact captivation: axial	≥ 20 N
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.9 Nm

Environmental Data

Temperature Range	-40°C to +85°C
RoHS	compliant

Weight

0.0057 kg

Packing

Single or 100

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DB-K1K25A-40G50V / 9XX-9X

DC Block P/N	DB-K1K25A-40G50V/9XX-9X
Vector Network Analyzer (VNA)	Keysight N5235A
Calibration Kit	Keysight 85056KE02
Test Method	Port 1: 2.92mm Jack (Female)
	Port 2: 2.92mm Plug (Male)
	Port 1 + DUT + Port 2

