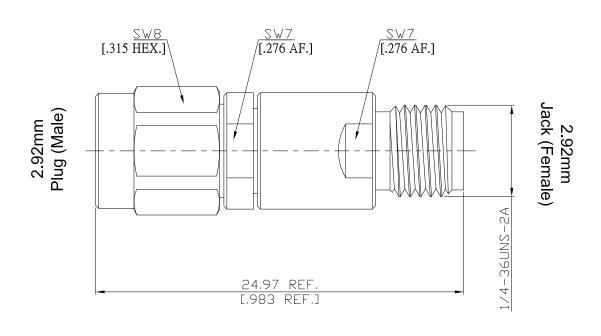


Technical Data Sheet

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

	0
Interface	

IEC 61169-35

DC 50 V Max.

Material

Stainless Steel

IEEE Std 287-2007

Plating

Passivated

Electrical Data

According to

Impedance Frequency VSWR (Return Loss) Insertion Loss Voltage rating (Volts)

Coupling nut

50 Ω

70 MHz to 40 GHz ≤ 1.15 (≥ 23.13 dB) ≤ 0.8 dB

Inner

DC Block Type

Material And Plating	
Piece Parts (2.92mm)	
Cartas and sat	

Gold plating, 3 µinch
(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body
Insulator

Gold plating, 3 µinch
(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Passivated

Piece Parts (2.92mm) Material Plating

Gold plating, 3 µinch

Centre contact

Beryllium Copper

(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	Do
judged to be necessary.	12

rev.:-	Rosnol RF/Microwave Technology Co., Ltd. www.rosnol.com; info@rosnol.com	
	Phone: +886-3-463-5095 / Fax: +886-3-463-5952 N-CAGE Code: SFKK0 / ISO9001 Certified	
12///2020	IN-CAGE Code: SFRRU / ISOYUUT Certified	1



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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

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

Rev.:-

12/7/2020

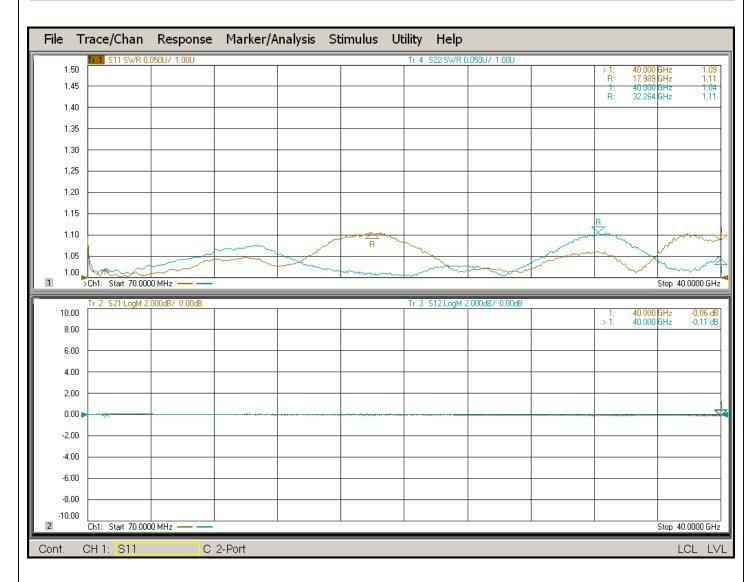


Electrical Test Report

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

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



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