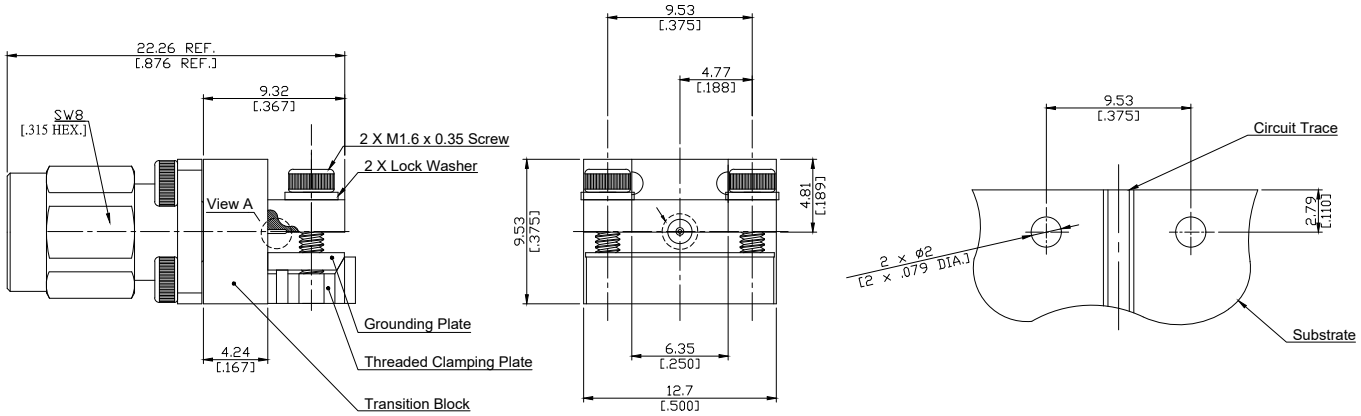
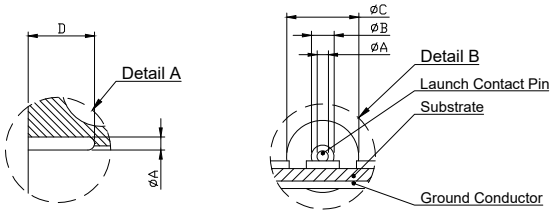
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

2.92mm Plug (male) Connector PCB End Launch Straight DC-40GHz - Low Profile

K1HA50-2226A-LP / 9XX





Part Number	ΦA	ΦB	ΦC	D
K1HA50-2226A/9XX	0.25 [.010]	0.51 [.020]	1.61 [.0635]	1.27 [.050]
K1HA50-2226B/9XX	0.18 [.007]	0.38 [.015]	1.22 [.048]	0.76 [.030]
K1HA50-2226C/9XX	0.18 [.007]	0.30 [.012]	0.99 [.039]	0.76 [.030]
K1HA50-2226D/9XX	0.13 [.005]	0.23 [.009]	0.74 [.029]	0.76 [.030]

All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-35

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.40 (≥ 15.6 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Test Voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

Material And Plating

Connector parts (2.92mm Connector)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Connector parts (Transition Block)	**Material**	**Plating**
Launch Pin	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Transition Block	Brass	Copper-Tin-Zinc Alloy
Transition Block Insulator	PTFE	

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.65 Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Environmental Data	
Temperature Range	-55°C to +165°C
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	
	Single or 100

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