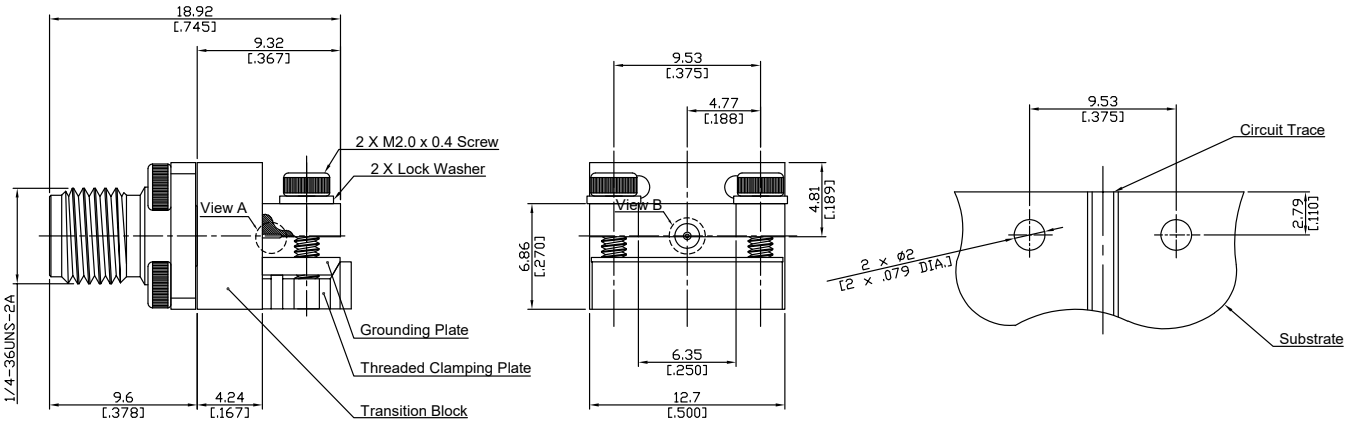
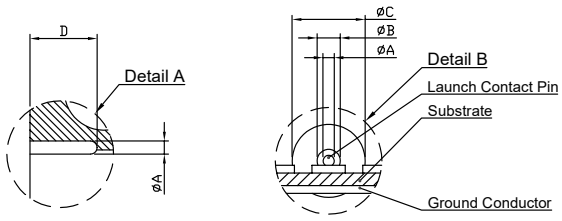
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

2.92mm Jack (female) Connector PCB End Launch Straight Solder Attachment DC-40GHz - Low Profile

K2HA50-1892A-LP / 9X





Part Number	ΦA	ΦB	ΦC	D
K2HA50-1892A-LP/9X	0.25 [.010]	0.51 [.020]	1.61 [.0635]	1.27 [.050]
K2HA50-1892B-LP/9X	0.18 [.007]	0.38 [.015]	1.22 [.048]	0.76 [.030]
K2HA50-1892C-LP/9X	0.18 [.007]	0.30 [.012]	0.99 [.039]	0.76 [.030]
K2HA50-1892D-LP/9X	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; MIL-STD-348/ 323

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
Insertion loss	≤ 0.1x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
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	
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	
Mating cycles	≥ 500
Center contact captivation	≥ 20 N
Board mounting type	End Launch
Coupling test torque	max. 0.40 Nm
Recommended torque	0.30 Nm
Environmental Data	
Temperature range	-55°C to +80°C
Thermal shock	MIL-STD-202, Method 107, Condition B
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

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