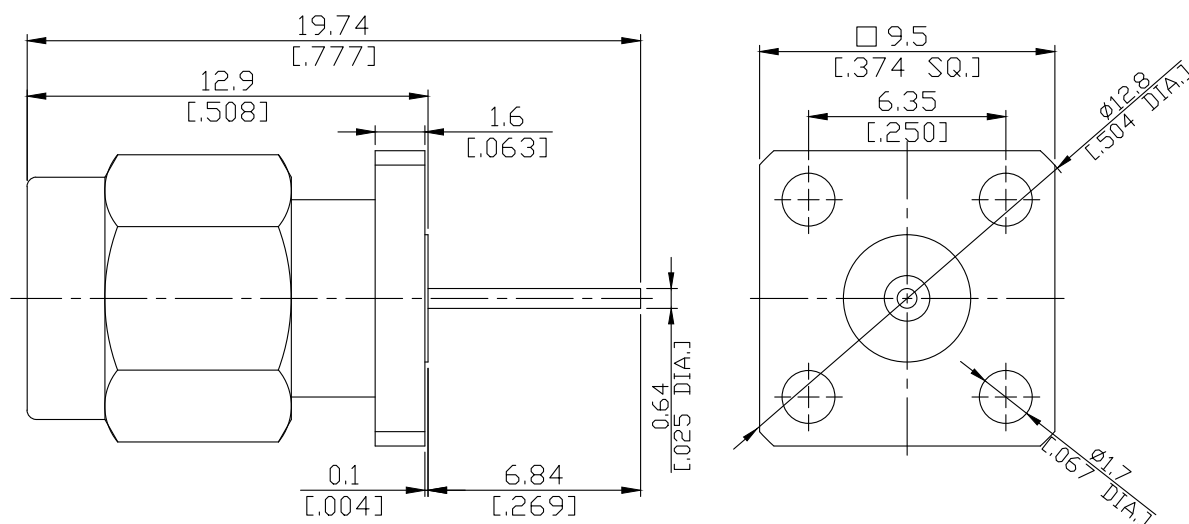


2.92mm plug (male) Connector Solder Attachment 4 Hole Flange Mount
Stub Terminal, 6.35mm (.250 inch) Hole Spacing DC-50GHz VSWR1.15

K1GFA50-1974B / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-35

Mechanically compatible with

3.50mm and SMA

Electrical Data

Impedance

50 Ω

Frequency

DC to 50 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.1 dB)

Insertion Loss

≤ 0.04 × √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 (at sea level)

250 V rms

Power Handling

≤ 100 W @ 1 GHz

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PEI/PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical Captivation
Center contact captivation	≥ 20 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm
Recommended torque fastening screws	0.3 Nm

Environmental Data

Temperature Range	-55°C to +165°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 or 100