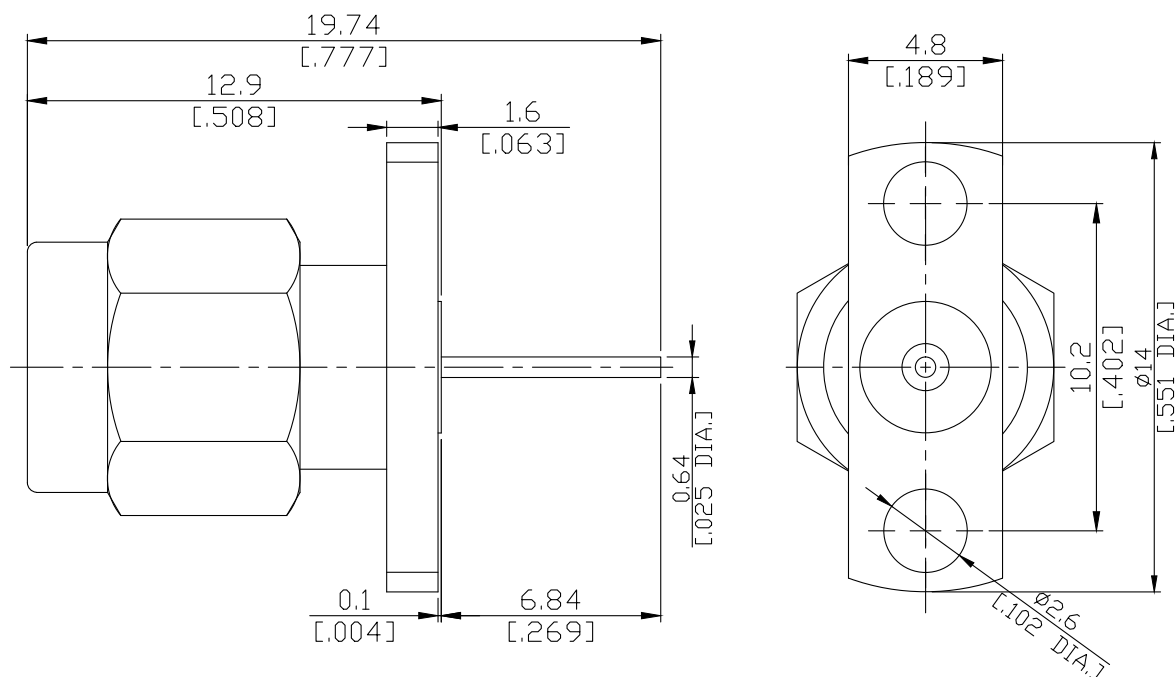


2.92mm plug (male) Connector Solder Attachment 2 Hole Flange Mount
Stub Terminal, 10.2mm (.402 inch) Hole Spacing DC-40GHz VSWR1.20

K1GTA50-1974B / 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 40 GHz
VSWR (Return Loss) ≤ 1.20 (≥ 20.83 dB)
Insertion Loss $\leq 0.04 \times \sqrt{F}$ (GHz) dB
Insulation Resistance ≥ 5 G Ω
Center contact resistance ≤ 3.0 m Ω
Outer contact resistance ≤ 2.0 m Ω
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 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
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