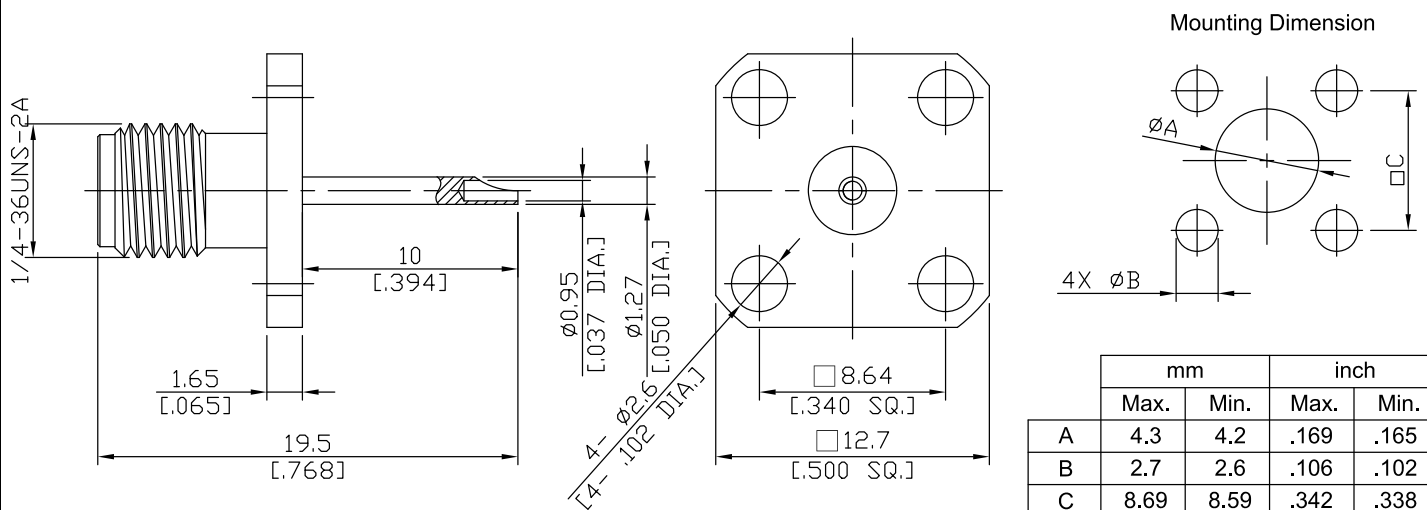


2.92mm Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Solder Cup Terminal, 8.64mm (.340 inch) Hole Spacing DC-40GHz VSWR1.25

K2GFB50-1950A / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-35; IEEE Std 287

Mechanically compatible with

3.50mm and SMA

Electrical Data

Impedance

50 Ω

Frequency

DC to 40 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

$\leq 0.1 \times \sqrt{F}$ (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

-VSWR in application depends on PCB layout or cavity design-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Solder Cup
Captivated Type	Mechanical
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	-65°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