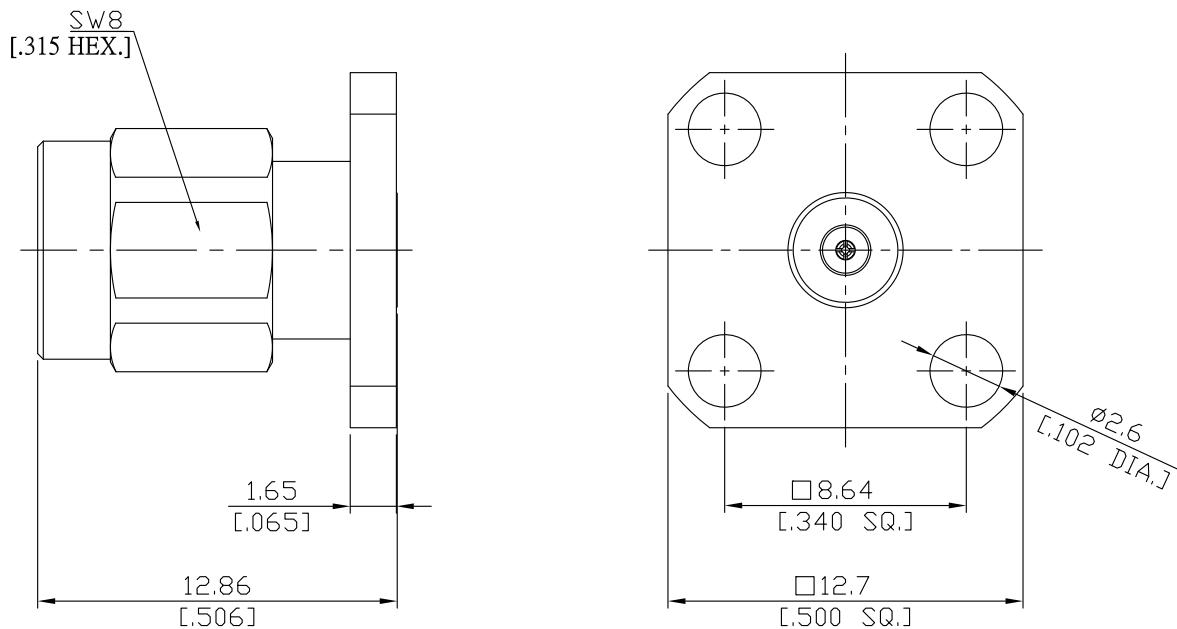


2.92mm Plug (male) Connector 4 Straight Field Replaceable  
 8.64mm (.340 inch) Hole Spacing DC-40GHz VSWR1.15

## K1BF50-0009A / 9XX



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)	DC to 27 GHz: $\leq 1.10 (\geq 26.44 \text{ dB})$ 27 GHz to 40 GHz: $\leq 1.15 (\geq 23.13 \text{ dB})$
Insertion Loss	$\leq 0.3 \text{ dB}$
Insulation Resistance	$\geq 5 \text{ G}\Omega$
Center Contact Resistance	$\leq 3.0 \text{ m}\Omega$
Outer Contact Resistance	$\leq 2.0 \text{ m}\Omega$
Test Voltage	750 V rms
Working voltage	250 V rms
RF-leakage	$\geq 100 \text{ dB}$ up to 1 GHz

### Material And Plating

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

2.92mm Plug (male) Connector 4 Straight Field Replaceable  
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## K1BF50-0009A / 9XX

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.10 Nm

### Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond.D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

### Packing

Single or 100