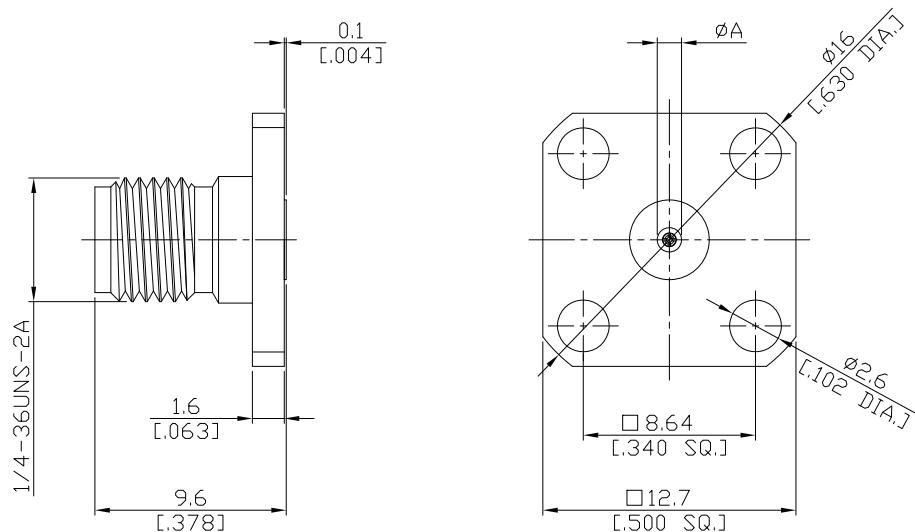


2.92mm Jack (Female) Connector 4 Straight Field Replaceable  
 8.64mm (.340 inch) Hole Spacing DC-40GHz VSWR1.15

**K2BF50-0012A / 9X**


Model	Pin Size	Max. Pin Depth	Ø A
K2BF50-0009A/9X	0.23mm [.009"]	1.65mm [.065"]	1.09mm [.043"]
K2BF50-0012A/9X	0.30mm [.012"]	1.65mm [.065"]	1.22mm [.048"]
K2BF50-0015A/9X	0.38mm [.015"]	1.65mm [.065"]	1.38mm [.054"]
K2BF50-0018A/9X	0.46mm [.018"]	1.65mm [.065"]	1.80mm [.071"]
K2BF50-0020A/9X	0.51mm [.020"]	1.65mm [.065"]	1.80mm [.071"]

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:

≤ 1.10 (≥ 26.44 dB)

27 GHz to 40 GHz:

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.3 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**

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PS	

**2.92mm Jack (Female) Connector 4 Straight Field Replaceable  
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**K2BF50-0012A / 9X**

**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