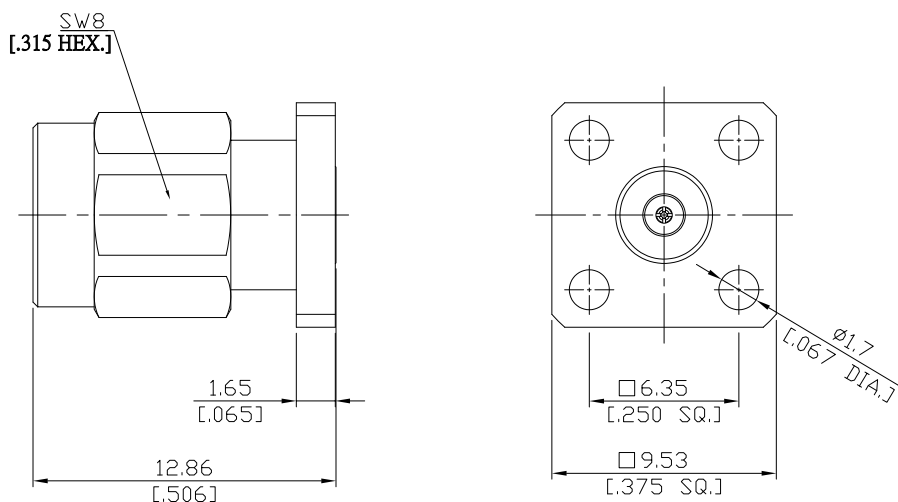


2.92mm Plug (male) Connector 4 Straight Field Replaceable 6.35mm (.250 inch) Hole Spacing DC-40GHz

K1BF50-0018B / 9XX



Model	Pin Size	Max. Pin Depth
K1BF50-0009B/9X	0.23mm [0.009"]	1.65mm [0.065"]
K1BF50-0012B/9X	0.30mm [0.012"]	1.65mm [0.065"]
K1BF50-0015B/9X	0.38mm [0.015"]	1.65mm [0.065"]
K1BF50-0018B/9X	0.46mm [0.018"]	1.65mm [0.065"]
K1BF50-0020B/9X	0.51mm [0.020"]	1.65mm [0.065"]

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:

≤ 1.15 (≥ 23.13 dB)

27 GHz to 40 GHz:

≤ 1.20 (≥ 20.83 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 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PEI/PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:
JUL/16/2021

Rosnol RF/Microwave Technology Co., Ltd.

www.rosnol.com; info@rosnol.com

Phone: +886-3-463-5095 / Fax: +886-3-463-5952

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

2.92mm Plug (male) Connector 4 Straight Field Replaceable 6.35mm (.250 inch) Hole Spacing DC-40GHz

K1BF50-0018B / 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