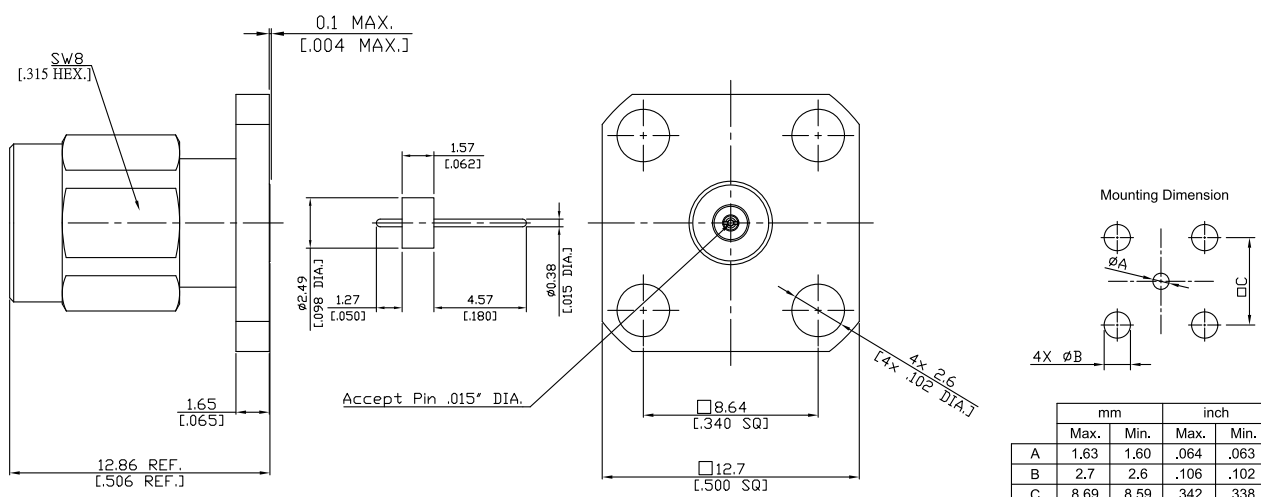


2.92mm Male Field Replaceable Connector 4 Hole Flange Mount .340 inch Hole
Spacing, Hermetic Seal 0.015 inch, DC-40GHz VSWR1.25

HS-K1BF50-0015A / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

Mechanically compatible with

IEC 61169-35;IEEE Std 287;MIL-STD-348A/323

SMA, 3.5mm

Electrical Data

Impedance

 $50\ \Omega$

Frequency

DC to 40 GHz

VSWR (Return Loss)

 ≤ 1.25 (≥ 19.08 dB)

Insertion Loss

$$\leq 0.04 \times \sqrt{F \text{ (GHz)}} \text{ dB}$$

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

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (Hermetic Seal)	Material	Plating
Centre contact	Kovar	Gold plating
Body	Kovar	Gold plating
Insulator	Corning 7070 Glass	

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.:-

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MAR/4/2025

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

 $1/2$

2.92mm Male Field Replaceable Connector 4 Hole Flange Mount .340 inch Hole Spacing, Hermetic Seal 0.015 inch, DC-40GHz VSWR1.25

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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	-40°C to +85°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