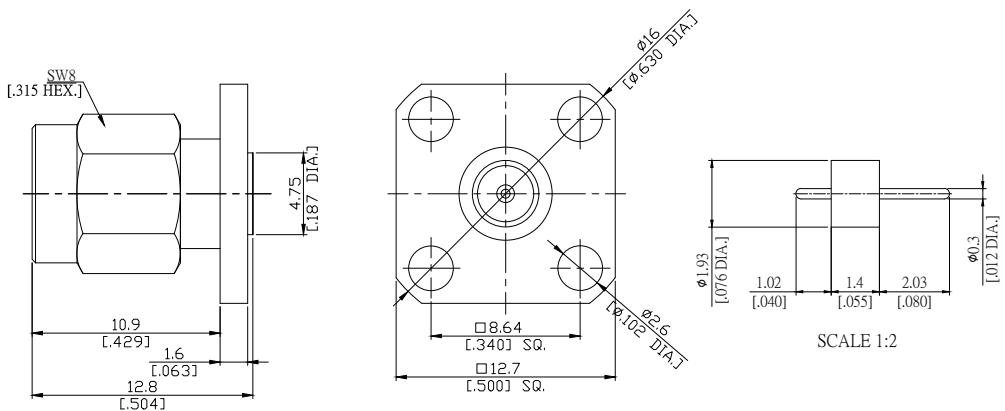
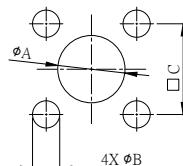


**SMA Plug (male) Field Replaceable Connector Straight, 8.64mm (.340 inch)
4 Hole Spacing, With Hermetic Seal 0.012 inch, DC-18GHz VSWR1.25**

SMA1HSBF50-0012A / 9XX



Mounting Dimensions



mm		inch	
Max.	Min.	Max.	Min.
A	4.85	4.8	0.191
B	2.8	2.7	0.110
C	8.69	8.59	0.342
	[0.189]		[0.106]
	[0.040]		[0.038]

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-15; MIL-STD-348B/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.1 dB)

Insertion Loss

≤ 0.04 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage

1000 V rms

Working voltage

480 V rms

Power handling

≤ 200 W @ 2 GHz

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 µinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Stainless Steel

Passivated

Piece Parts (Hermetic Seal)

Material

Plating

Centre contact

Ferro-Nickel (Kovar)

Gold plating

Body

Ferro-Nickel (Kovar)

Gold plating

Insulator

Corning 7070 Glass

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°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