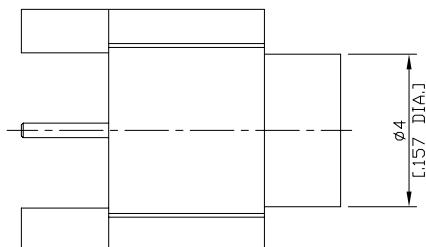
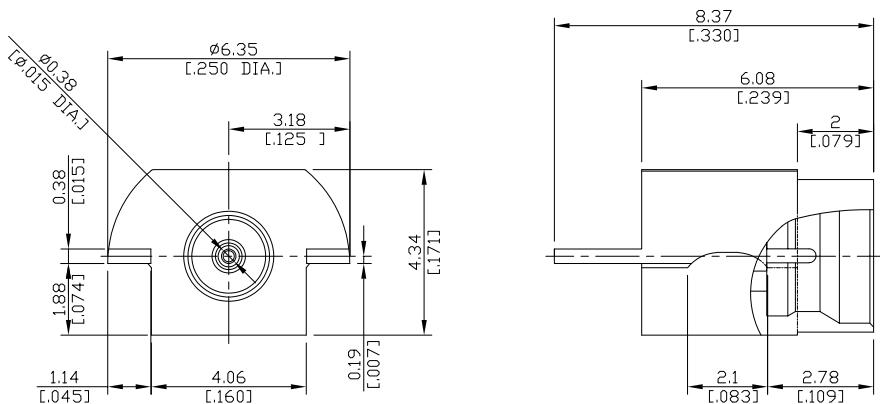


SMP Plug (Male) Full Detent Snap-On Connector Solder Attachment
 Edge Mount PCB DC-6 GHz VSWR 1.25, 6-18 GHz VSWR 1.35

SMP1JF50-0837A / 99



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348B/326-1

MIL-STD-348B/326-1a

MIL-STD-348B/326-3

MIL-STD-348B/326-2

MIL-STD-348B/326-4

MIL-STD-348B/326-5

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB) DC to 6 GHz

≤ 1.35 (≥ 16.54 dB) 6 to 18 GHz

Insertion Loss

≤ 0.1 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 6.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage (at sea level)

500 V rms

Working Voltage (at sea level)

335 V rms

- Connector Only, VSWR in Application Depends Decisive on PCB Layout -

Material And Plating

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

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.: 1.0
 Date: APR/23/2021

 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

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Mechanical Data

Coupling mechanisms	Snap-on
Mating Cycles	Full Detent ≥ 100
Center contact captivation	≥ 7 N
Engagement Force	Full Detent 68 N max.
Disengagement force	Full Detent 22 N min.

Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. A
Moisture Resistance	MIL-STD-202, Meth. 106
Max. Soldering Temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Weight

0.66 g/Pcs

Packing

Single or 100