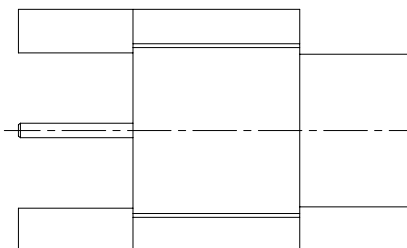
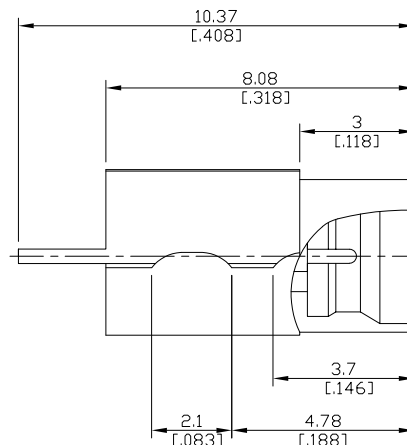
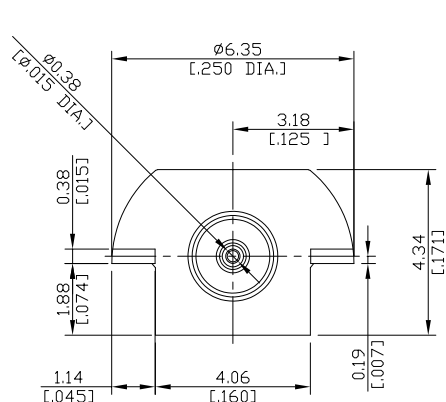


SMP Plug (Male) Full Detent Snap-On Connector Solder Attachment
Edge Mount PCB DC-6 GHz VSWR 1.25, 6-18 GHz VSWR 1.35

SMP1JF50-1037A / 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/326-3
MIL-STD-348B/326-4

MIL-STD-348B/326-1a
MIL-STD-348B/326-2
MIL-STD-348B/326-5

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18GHz	
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB) DC to 6 GHz	≤ 1.35 (≥ 16.54 dB) 6 to 18 GHz
Insertion Loss	$\leq 0.1 \times \sqrt{F}$ (GHz) dB	
Insulation Resistance	≥ 5 G Ω	
Center Contact Resistance	≤ 6.0 m Ω	
Outer Contact Resistance	≤ 2.0 m Ω	
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 - 50 microinch (Nickel underplated)
Body	Beryllium Copper	Gold plating - 50 microinch (Nickel underplated)
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

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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

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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