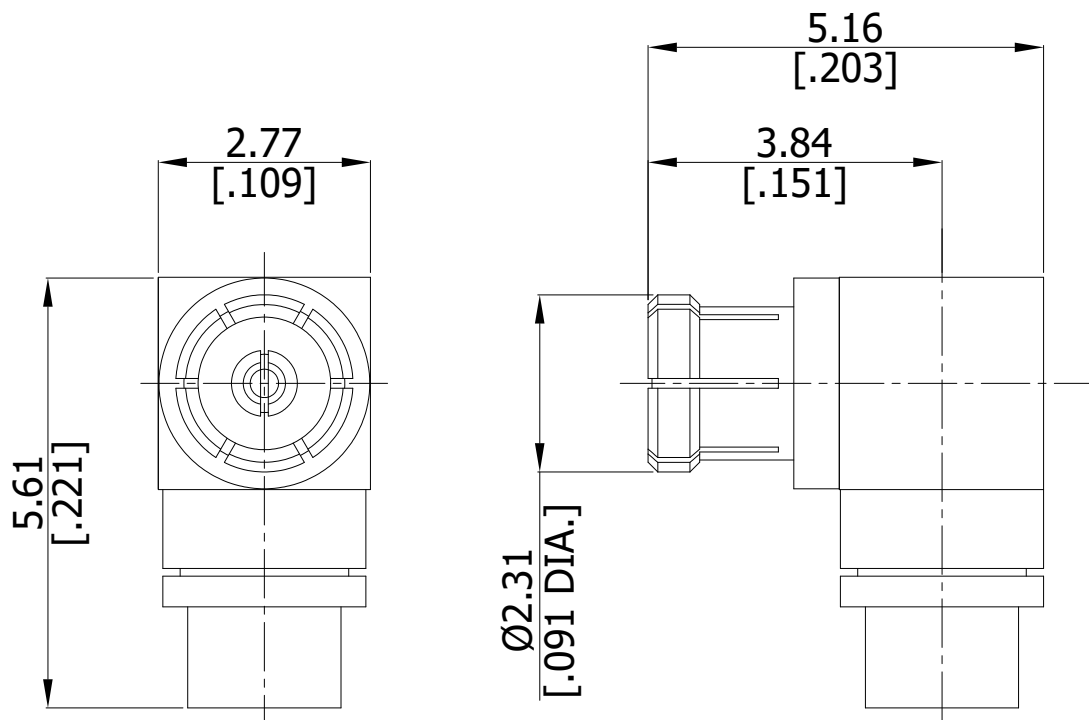SMPM Jack (Female) Snap-On Rightangle Connector Solder Attachment
for RSR047, RSF047, DC-40 GHz VSWR 1.5

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5.16
[.203]

2.77
[.109]

3.84
[.151]

5.61
[.221]

Ø2.31
[.091 DIA.]

All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	MIL-PRF-31031;MIL-STD-348A/328-2

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.5 (≥ 13.98 dB)
Insertion Loss	≤ 0.1 x $\sqrt{F}$ (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 6.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Working Voltage (at sea level)	325 V rms

-VSWR in application depends decisive on cable assembly process-

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	

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Mechanical Data

Coupling mechanisms	Snap-on	
Mating Cycles	Mating with Limited Detent	≥ 500
	Mating with Full Detent	≥ 100
Center contact captivation	≥ 7 N	
Engagement Force	Smooth Bore	11 N max.
	Full Detent	19 N max.
Disengagement force	Smooth Bore	7 N min.
	Full Detent	29 N min.

Environmental Data

Temperature Range	-55°C to +125°C
Thermal shock	MIL-STD-202, Meth. 107, 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

Suitable Cables

RSR047, RSF047, RSF047-FEP, RSF047-PVC, EF047

Packing

Single or 100