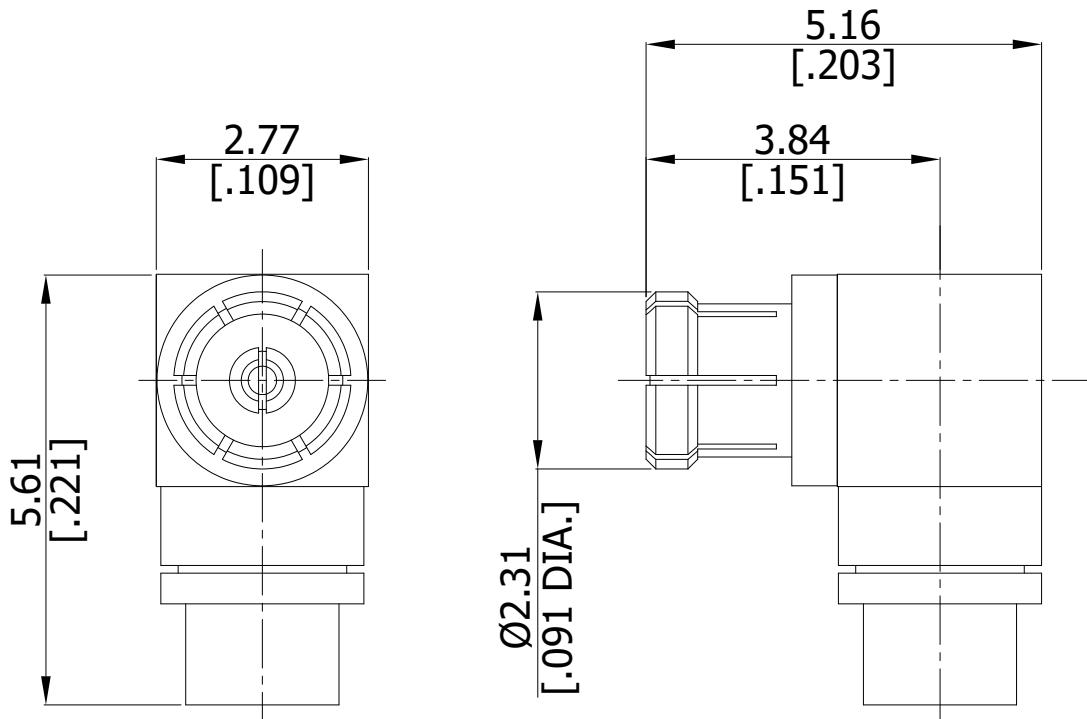


**SMPM Jack (Female) Snap-On Rightangle Connector Solder Attachment
for RSR047, RSF047, DC-40 GHz VSWR 1.5**

SMPM2E59-0047B / 99



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 √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	

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.:-
Date: OCT/7/2024

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

Page
1/2

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

SMPM2E59-0047B / 99

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