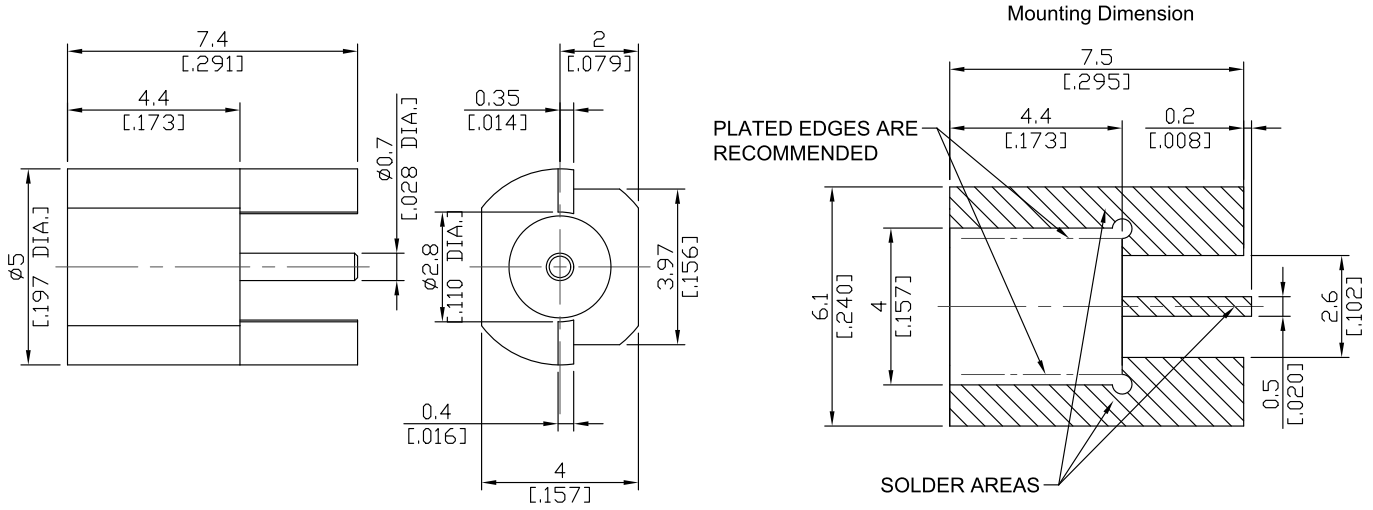
ROSNOL® RF/Microwave Interconnect

Technical Data Sheet

SMP Plug (Male) Smooth Bore Connector Solder Attachment End Launch PCB, DC-26.5 GHz, VSWR 1.33

SMPSB1J50-0740A / 11



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

Interface

According to	MIL-PRF-31031; MIL-STD-348B/326; IEC 61169-44

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
VSWR (Return Loss)	≤ 1.33 (≥ 19.08 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 6.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Test Voltage	500 V rms
Working Voltage (at sea level)	≤ 335 V rms

-VSWR in practical applications depends on installation, PCB layout, and cavity design-

Material and Plating

Piece Parts	Material	Plating
Centre Contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
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.

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Mechanical Data	
Coupling Mechanisms	Snap-on
Mating Cycles	≥ 1000
Centre Contact	Soldered
Captivated Type	Mechanical
Board Mounting Type	Edge Mount
Center Contact Captivation	≥ 7 N
Disengagement Force	≤ 2.2 N
Engagement Force	≥ 9 N
Environmental Data	
Temperature Range	-65°C to +165°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
RoHS	Compliant
Packing	
	Single or 100

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