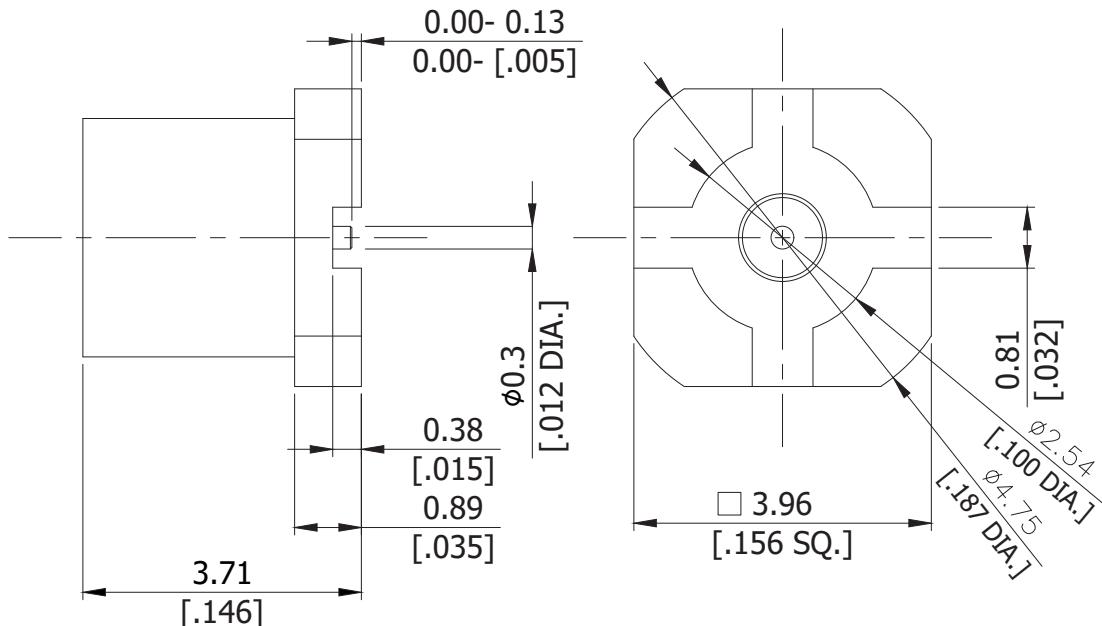


SMPM Surface Mount Plug (Male) DC-40 GHz VSWR1.40

SMPM1ICF50-0371A / 99



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348A/328.2

Electrical Data

Impedance

50 Ω

Frequency

DC to 40 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB) DC to 26.5 GHz ≤ 1.40 (≥ 15.56 dB) 26.5 to 40 GHz

Insertion Loss

≤ 0.1 $\times \sqrt{f}$ (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 6.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage (at sea level)

325 V rms

Working Voltage (at sea level)

50 V rms

- Limitations are possible due to the used cable type -

Material And Plating

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

SMPM Surface Mount Plug (Male) DC-40 GHz VSWR1.40

SMPM1ICF50-0371A / 99**Mechanical Data**

Coupling mechanisms	Snap-on	
Mating Cycles	Mating with Smooth Bore	≥ 1000
	Mating with Limited Detent	≥ 500
	Mating with Full Detent	≥ 100
Center contact captivation	≥ 7 N	
Engagement Force	Smooth Bore	19 N max.
	Full Detent	11 N max.
Disengagement force	Smooth Bore	29 N min.
	Full Detent	7 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
RoHS	compliant

Packing

Single or 100