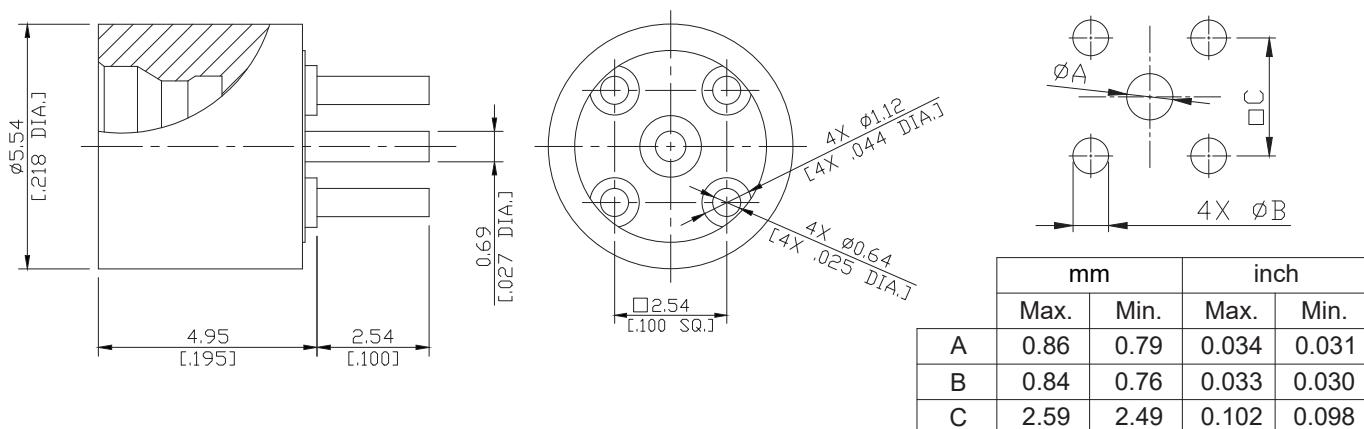


SMP Plug (male) Connector Solder Attachment Surface Mount Straight PCB, DC-40GHz

SMP1I50FD-0749A / 9X

Mounting Dimensions



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348A, /326-2

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.3 (≥ 17.7 dB) DC to 20 GHz
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 6.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Dielcetric at sea level	500 V rms
RF Leakage	-80 dB to 3 GHz, -65 dB to 26.5 GHz

Material And Plating

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

SMP Plug (male) Connector Solder Attachment
Surface Mount Straight PCB, DC-40GHz**SMP1I50FD-0749A / 9X****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	9 N max.
	Limited Detent	45 N max.
	Full Detent	68 N max.
Disengagement force	Smooth Bore	2.2 N min.
	Limited Detent	9 N min.
	Full Detent	22 N min.

Environmental Data

Temperature Range	-65°C to +155°C	
Corrosion	MIL-STD-202, Meth. 101, 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	

Packing

Single or 100