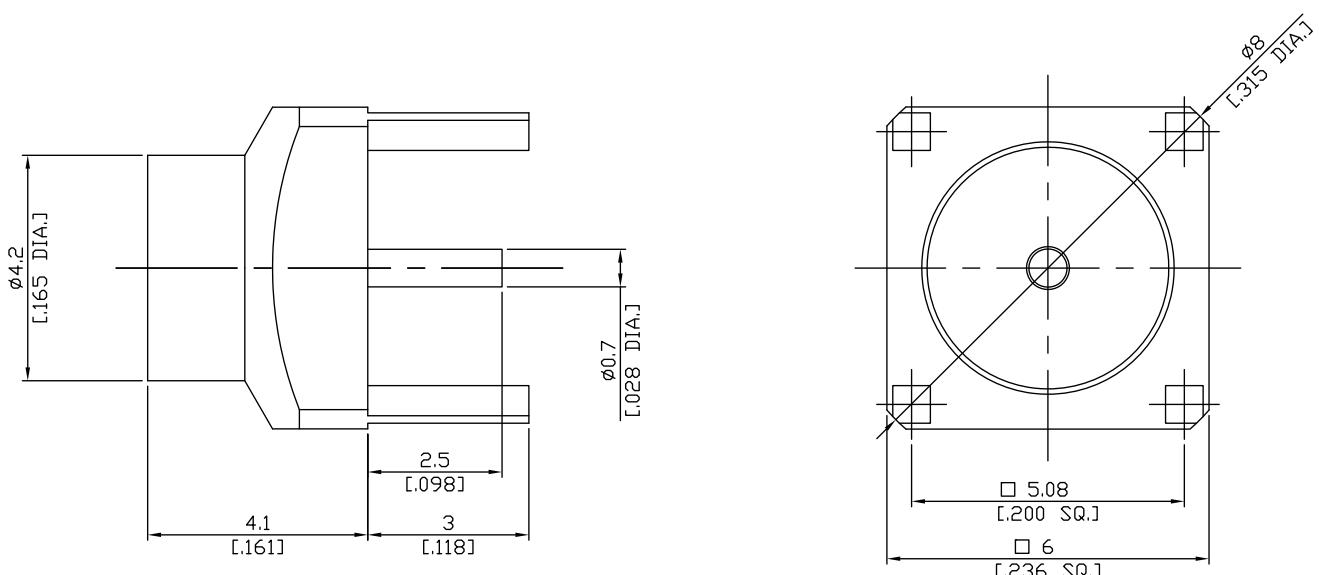


SMP Plug (male) Connector Solder Attachment
 Through Holes Straight PCB Limited Detent, DC-18GHz

SMP1150-LD0710B / 11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348B/326-1

MIL-STD-348B/326-1a

MIL-STD-348B/326-3

MIL-STD-348B/326-2

MIL-STD-348B/326-4

MIL-STD-348B/326-5

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 21 dB)

DC to 6 GHz

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

Contact current

1.2A DC max.

Material And Plating
Connector parts
Material
Plating

Centre contact

Brass

Gold plating(Nickel underplated)

Body

Brass

Gold plating(Nickel underplated)

Insulator

PTFE

SMP Plug (male) Connector Solder Attachment
 Through Holes Straight PCB Limited Detent, DC-18GHz

SMP1I50-LD0710B / 11

Mechanical Data

Coupling mechanisms	Snap-on
Mating Cycles	≥ 500
Centre Contact	Soldered
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 7 N
Disengagement force	9 N min.
Engagement force	45 N max.

Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 204, Cond. B
Vibration	MIL-STD-202, Meth. 213, Cond.A
Moisture Resistance	MIL-STD-202, Meth. 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Packing

Single or 100