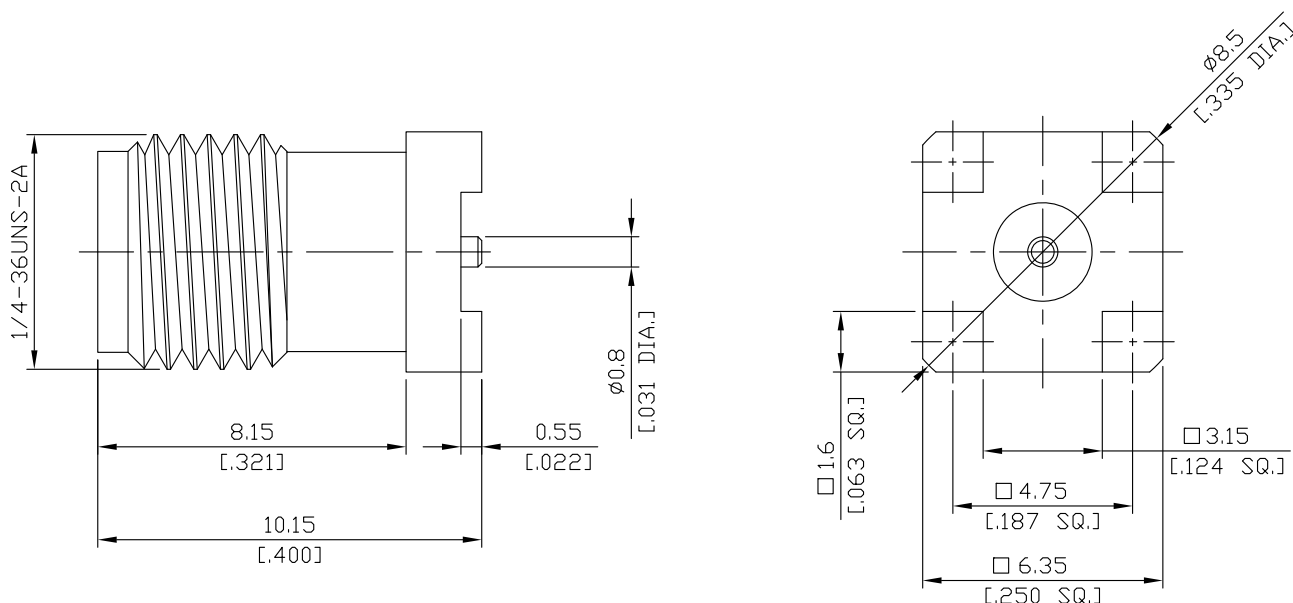


SMA Jack (female) PCB Through Holes Straight Connector  
DC-18GHz VSWR1.25

**SMA2I50-1015A / 91**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 60169-15; MIL-STD-348B/310

**Electrical Data**

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
VSWR (Return Loss)	$\leq 1.25$ ( $\geq 19.1$ dB)
Insertion Loss	$\leq 0.04 \times \sqrt{F}$ (GHz) dB
Insulation Resistance	$\geq 5$ G $\Omega$
Center Contact Resistance	$\leq 3$ m $\Omega$
Outer Contact Resistance	$\leq 2$ m $\Omega$
Test Voltage	1000 V rms
Working Voltage (at sea level)	480 V rms
Power Handling (at 20 °C, sea level, VSWR 1.0)	$\leq 200$ W @ 2 GHz; $\leq 100$ W @ 10 GHz
RF-leakage	100 dB up to 1 GHz

**Material And Plating**

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	

SMA Jack (female) PCB Through Holes Straight Connector  
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**SMA2I50-1015A / 91**

**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N
Board mounting type	Through Holes
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

**Environmental Data**

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
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