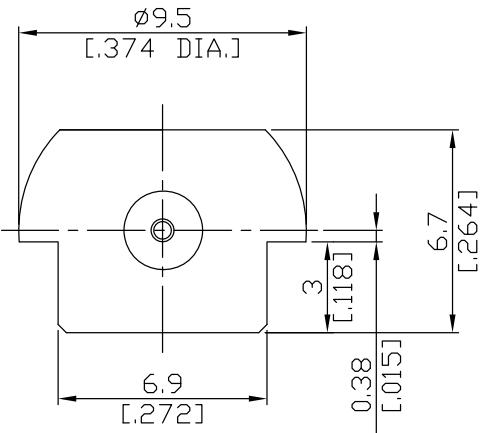
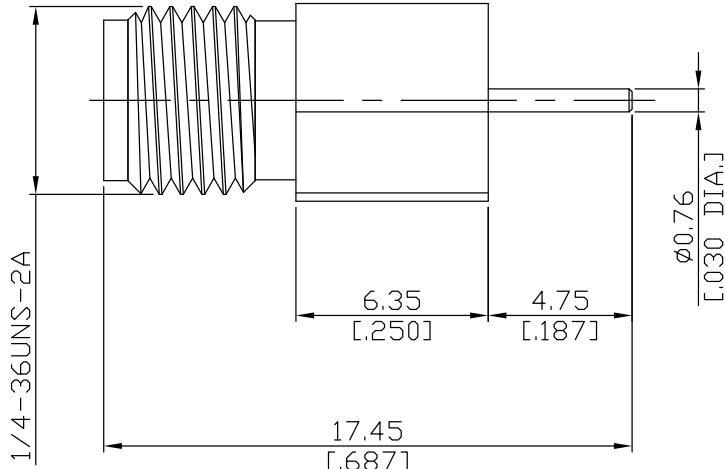


SMA Jack (Female) Connector Edge Mount PCB
DC-18 GHz VSWR1.22**SMA2J50-1745A / 91**

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 Ω

Frequency DC to 18 GHz

VSWR (Return Loss) ≤ 1.22 (≥ 20.16 dB)

Insertion Loss ≤ 0.03 x √F (GHz) dB

Insulation Resistance ≥ 5 GΩ

Center Contact Resistance ≤ 3 mΩ

Outer Contact Resistance ≤ 2 mΩ

Test Voltage 1000 V rms

Working Voltage (at sea level) 480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz; ≤ 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 μinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	

SMA Jack (Female) Connector Edge Mount PCB
DC-18 GHz VSWR1.22**SMA2J50-1745A / 91****Mechanical Data**

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N
Board mounting type	Edge mount
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