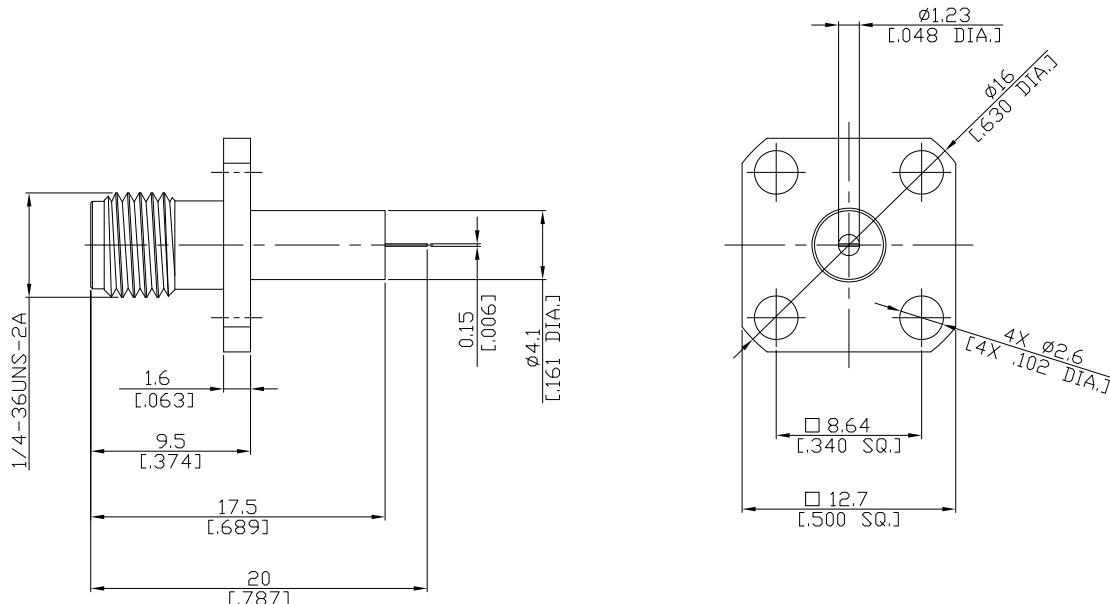


SMA Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Flat Terminal, 8.64mm (.340 inch) Hole Spacing DC-18GHz VSWR1.30

SMA2GFD50-2000A / 91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-15; MIL-STD-348B/310

Electrical Data

Impedance 50 Ω

Frequency DC to 18 GHz

VSWR (Return Loss) ≤ 1.30 (≥ 17.7 dB)

Insertion Loss ≤ 0.05 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

Material And Plating

Piece 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) Connector Solder Attachment 4 Hole Flange Mount Flat Terminal, 8.64mm (.340 inch) Hole Spacing DC-18GHz VSWR1.30

SMA2GFD50-2000A / 91

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Flat
Captivated Type	Mechanical
Center Contact Captivation: axial	$\geq 27 \text{ N}$
	$\geq 3 \text{ Ncm}$
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