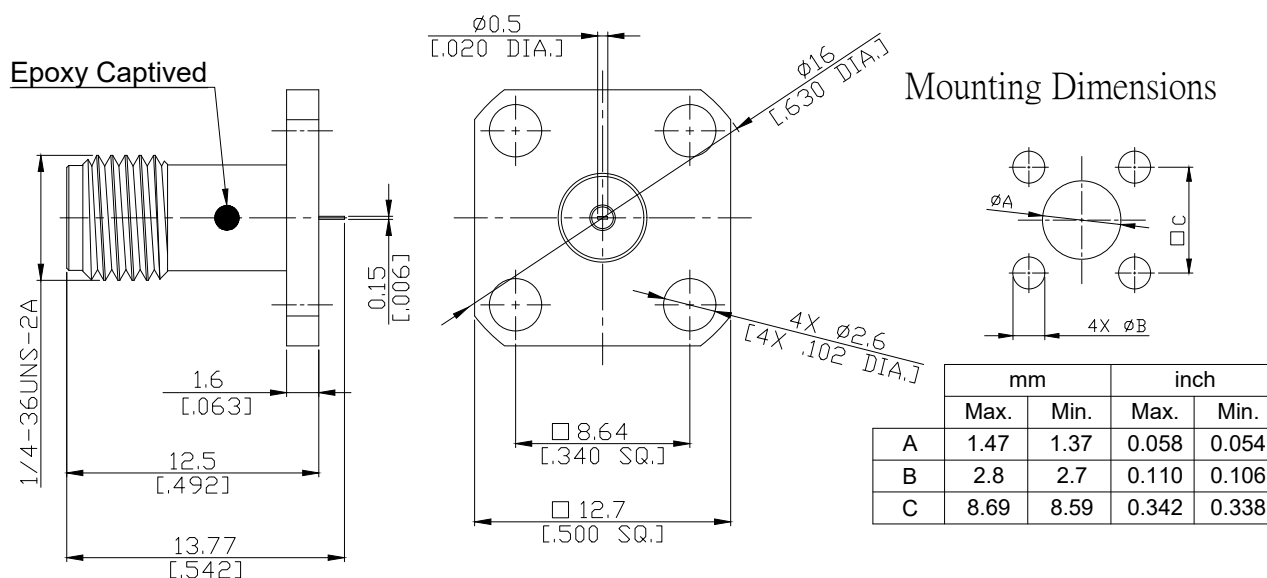


SMA Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Flat Terminal, 6.35mm (.250 inch) Hole Spacing DC-18GHz VSWR1.30

SMA2GFD50-1377A-EC / 9X



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
Frequency
VSWR (Return Loss)
Insertion Loss
Insulation Resistance
Center Contact Resistance
Outer Contact Resistance
Test Voltage
Working Voltage (at sea level)
Power Handling (at 20 °C, sea level, VSWR 1.0)

50 Ω
DC to 18 GHz
≤ 1.30 (≥ 17.7 dB)
≤ 0.05 x √F (GHz) dB
≥ 5 G Ω
≤ 3 mΩ
≤ 2 mΩ
1000 V rms
480 V rms
≤ 200 W @ 2 GHz

Material And Plating

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

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Flat
Captivated Type	Epoxy Captivation
Center Contact Captivation: axial	≥ 27 N
radial	≥ 3 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