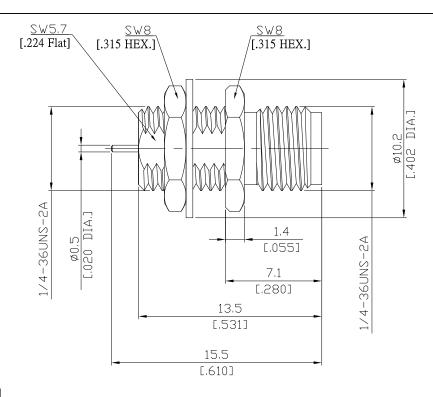


Technical Data Sheet

SMA jack (female) Straight Bulkhead Connector Solder Attachment, Stub Terminal DC- 18 GHz VSWR 1.25

SMA2FA50-1550A / 91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to Electrical Data

Impedance

Frequency VSWR (Return Loss) Insertion Loss

Insulation resistance Center contact resistance Outer contact resistance Test voltage Working voltage

Power handling RF-leakage

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

50 Ω

DC to 18 GHz

≤ 1.25 (≥ 19.1 dB) ≤ 0.05 x √F (GHz) dB

 $\geq 5~\mathrm{G}\Omega$

 $\leq 3~\text{m}\Omega$ $\leq 2~\text{m}\Omega$

1000 V rms 480 V rms

≤ 200 W @ 2 GHz ≥ 100 dB up to 1 GHz

Material And Platina

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Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Fastening nut	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Washer	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)

The facts and figures herein are carefully compiled to the best of our	
knowledge, but they are intended for general informational purposes only.	
In the effort to improve our products, we reserve the right to make changes	Do
judged to be necessary.	III

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Mechanical Data

Screw-lock Coupling mechanisms ≥ 500 Mating Cycles Captivation Mechanical Centre Contact Soldered Terminal Type Stub ≥ 27 N Center contact captivation: axial max. 0.6 Nm Coupling test torque Recommended torque 0.5 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, Method 106
RoHS
compliant

Packing

Single or 100