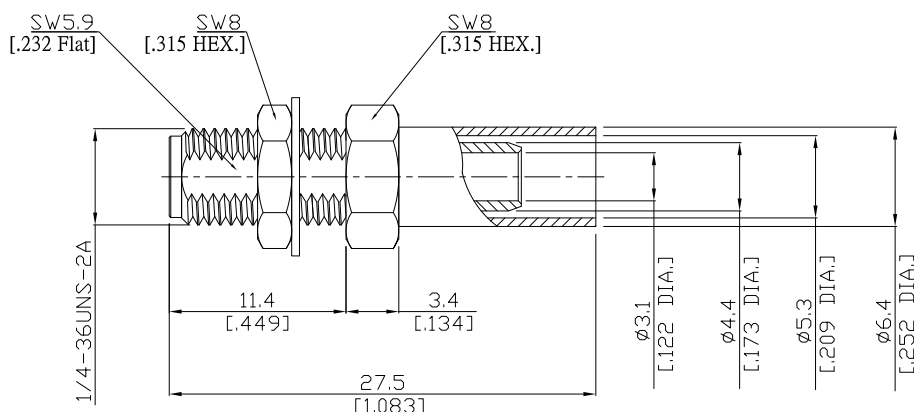


SMA Jack (Female) Connector Center Contact: Solder, Cable Entry: Crimp  
For RG55, RG58, RG142, RG223, RG400, RG141 Cable DC-12.4GHz VSWR1.25

## SMA2CA50-G058A / 93



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 12.4 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 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	480 V rms
Power handling (at 20 °C, sea level)	≤ 200 W @ 2 GHz

- Limitations are possible due to the used cable type -

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

**SMA Jack (Female) Connector Center Contact: Solder, Cable Entry: Crimp**  
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## SMA2CA50-G058A / 93

### Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 270 N
Center contact captivation: axial	≥ 20 N
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.9 Nm
Centre Contact	Soldered
Cable Entry	Crimped

### Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

### Suitable Cables

RG55, RG58, RG142, RG223, RG400, RG141

### Weight

N/A

### Packing

Single or 100