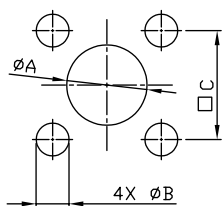




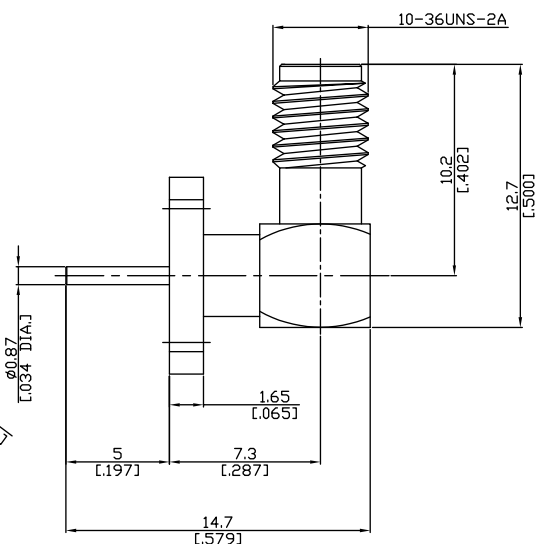
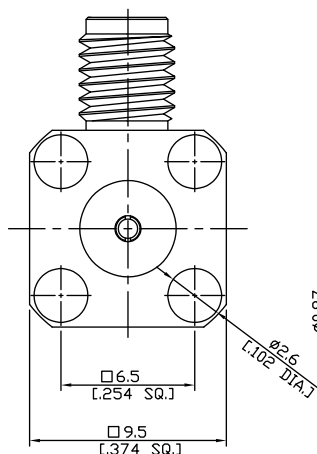
**SSMA Jack (Female) Rightangle Connector Solder Attachment 4 Hole Flange Mount  
Stub Terminal, 6.46mm (.254 inch) Hole Spacing DC-18GHz VSWR1.30**

**SSMA2GFA59-1470A / 91**

Mounting Dimensions



|   | mm   |      | inch  |       |
|---|------|------|-------|-------|
|   | Max. | Min. | Max.  | Min.  |
| A | 1.07 | 0.97 | 0.042 | 0.038 |
| B | 2.8  | 2.7  | 0.110 | 0.106 |
| C | 6.55 | 6.45 | 0.258 | 0.253 |



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

≤ 0.03 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

**Material And Plating**

| Piece Parts    | Material         | Plating                                                                          |
|----------------|------------------|----------------------------------------------------------------------------------|
| Centre contact | Beryllium Copper | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body           | Brass            | Gold plating, 3 μinch<br>(Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Insulator      | PTFE             |                                                                                  |

**SSMA Jack (Female) Rightangle Connector Solder Attachment 4 Hole Flange Mount  
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## SSMA2GFA59-1470A / 91

### Mechanical Data

|                                   |                  |
|-----------------------------------|------------------|
| Coupling mechanisms               | Screw-lock       |
| Mating Cycles                     | ≥ 500            |
| Centre Contact                    | Soldered         |
| Terminal Type                     | Stub             |
| Captivated Type                   | Mechanical       |
| 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