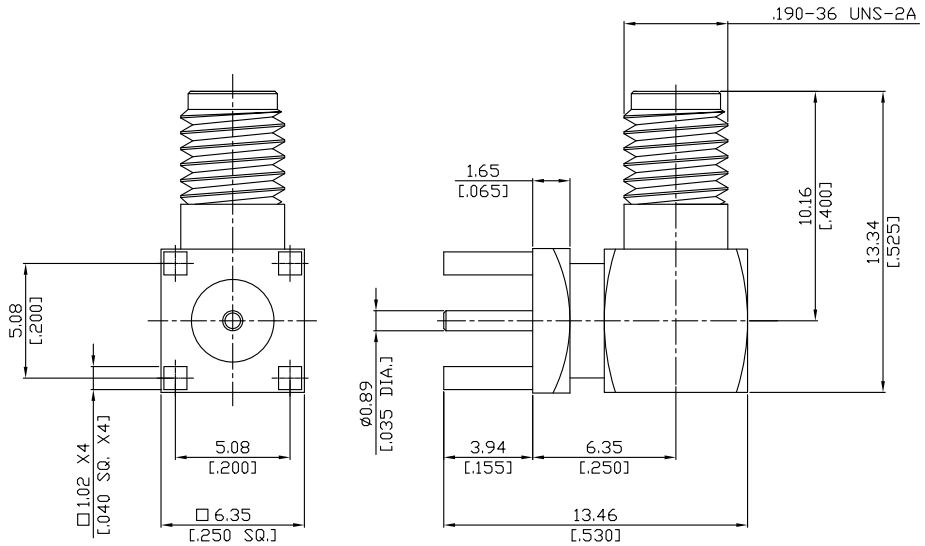
ROSNOL®
RF/Microwave Interconnect

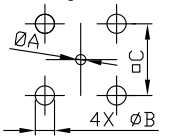
# Technical Data Sheet

## SSMA Jack (Female) Right Angle PCB Throught Holes DC-18GHz

# SSMA2I59-1334A / 9Q




Mounting Dimension




| | mm | | inch | |
|---|---|---|---|---|
| | Max. | Min. | Max. | Min. |
| A | 1.0 | 0.9 | 0.039 | 0.035 |
| B | 1.8 | 1.7 | 0.071 | 0.067 |
| C | 5.13 | 5.03 | 0.202 | 0.198 |

All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

## Interface

| | |
|---|---|
| According to | IEC 60169-23;MIL-PRF-39012;SSMA interface MIL-STD-348 |

## Electrical Data

| | |
|---|---|
| Impedance | 50 Ω |
| Frequency | DC to 18 GHz |
| VSWR (Return Loss) | N/A |
| Insertion Loss | ≤ 0.04 x √F (GHz) dB |
| Insulation Resistance | ≥ 1 GΩ |
| Center Contact Resistance | ≤ 5 mΩ |
| Outer Contact Resistance | ≤ 2.5. mΩ |
| Test Voltage | 750 V rms |
| Working Voltage (at sea level) | 250 V rms |

-VSWR in application depends decisive on PCB layout or cavity design-

## Material And Plating

| Piece Parts | Material | Plating |
|---|---|---|
| Centre contact | Beryllium Copper | Gold plating<br>(Non-magnetic nickel-phosphorus underplating) |
| Body | Stainless Steel | Gold plating<br>(Non-magnetic nickel-phosphorus underplating) |
| Insulator | PTFE | |





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## SSMA Jack (Female) Right Angle PCB Throught Holes DC-18GHz

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| Mechanical Data | |
|---|---|
| Coupling mechanisms | Screw-lock |
| Mating Cycles | ≥ 500 |
| Centre Contact | Soldered |
| Board mounting Type | Throught Holes |
| Captivated Type | Mechanical |
| Center Contact Captivation | ≥ 22 N |
| Coupling Test Torque | max. 1.1 Nm |
| Recommended Torque | 0.8 to 0.9 Nm |
| **Environmental Data** | |
| Temperature Range | -55°C to +155°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | saltspray test acc. to 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 |





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