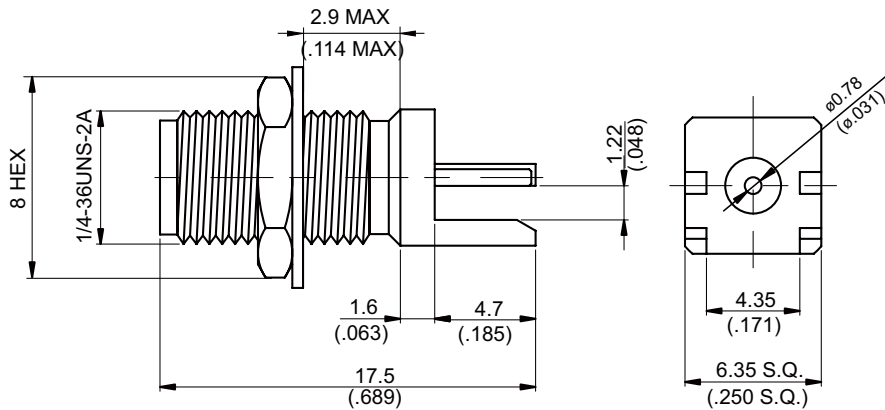


SMA9402B-0000

**SMA Reverse Polarity Jack PCB Mount For Bulkhead
End Launch (T=1.22) With Round Contact (Φ0.78); 50Ω
14GHz VSWR 1.2**



| Parts | Material | Plating (Micro-inch) |
|-------------|----------|---|
| Hex Nut | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Lock Washer | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Pin | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator | Teflon | |
| Body | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |

Weight: 2.69 g

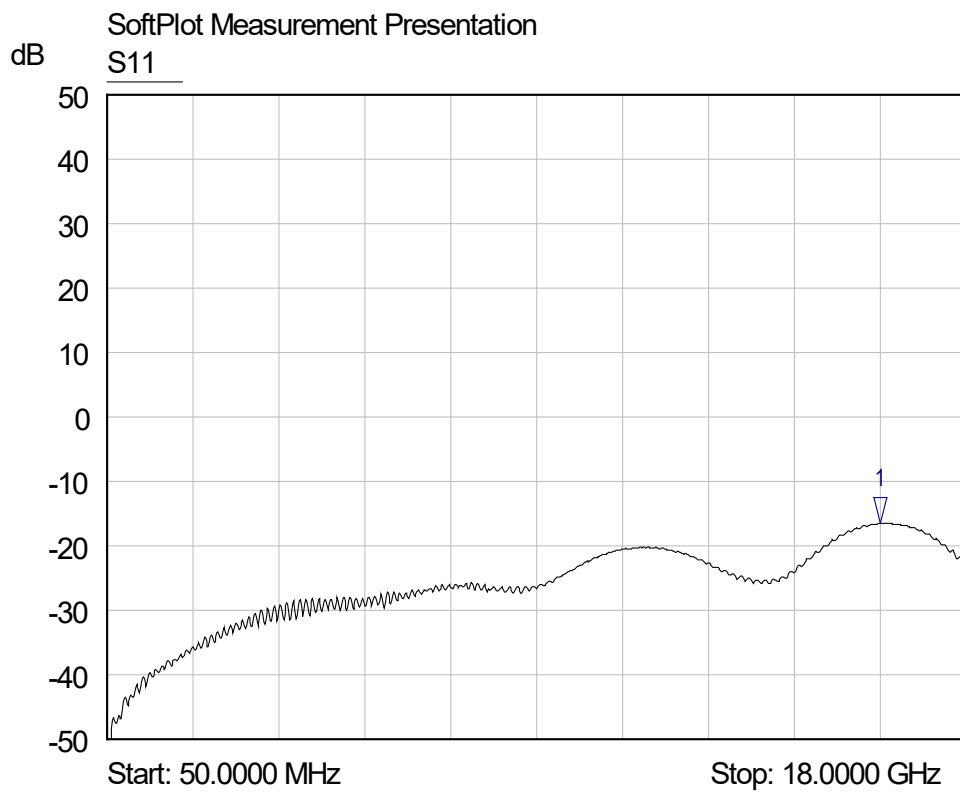
This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SMA | SMA9402B-0000 | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|---------------------------------|-----------------|-----------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|-------|------------------------------------|-------|--|------------|--------------------------------|-----------|
| <div data-bbox="167 344 569 394" style="border: 1px solid black; padding: 2px;">Interface</div> <p>Per JYEBAO SMA Reverse Polarity Jack derived from MIL-STD-348B</p> | | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 510 569 560" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 14GHz</td> </tr> <tr> <td>VSWR</td> <td>≦ 1.2 (DC to 14GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≦ 0.04 x √f (GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td>≧ 5000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≦ 3mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≦ 2mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td>1500 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td>500 V rms</td> </tr> </table> | | Impedance | 50Ω | Frequency range | DC to 14GHz | VSWR | ≦ 1.2 (DC to 14GHz) | Insertion loss | ≦ 0.04 x √f (GHz) dB | Insulation resistance | ≧ 5000MΩ | Contact resistance inner conductor | ≦ 3mΩ | Contact resistance outer conductor | ≦ 2mΩ | Dielectric withstanding voltage (at sea level) | 1500 V rms | Working voltage (at sea level) | 500 V rms |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | |
| Frequency range | DC to 14GHz | | | | | | | | | | | | | | | | | | |
| VSWR | ≦ 1.2 (DC to 14GHz) | | | | | | | | | | | | | | | | | | |
| Insertion loss | ≦ 0.04 x √f (GHz) dB | | | | | | | | | | | | | | | | | | |
| Insulation resistance | ≧ 5000MΩ | | | | | | | | | | | | | | | | | | |
| Contact resistance inner conductor | ≦ 3mΩ | | | | | | | | | | | | | | | | | | |
| Contact resistance outer conductor | ≦ 2mΩ | | | | | | | | | | | | | | | | | | |
| Dielectric withstanding voltage (at sea level) | 1500 V rms | | | | | | | | | | | | | | | | | | |
| Working voltage (at sea level) | 500 V rms | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1057 569 1106" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Recommended coupling nut torque</td> <td style="width: 50%;">4 inch lbs</td> </tr> <tr> <td>Coupling proof torque</td> <td>5.3 inch lbs</td> </tr> <tr> <td>Contact Captivation-axial</td> <td>≧ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≧ 1 00</td> </tr> </table> | | Recommended coupling nut torque | 4 inch lbs | Coupling proof torque | 5.3 inch lbs | Contact Captivation-axial | ≧ 6.1 lbs | Durability (mating) | ≧ 1 00 | | | | | | | | | | |
| Recommended coupling nut torque | 4 inch lbs | | | | | | | | | | | | | | | | | | |
| Coupling proof torque | 5.3 inch lbs | | | | | | | | | | | | | | | | | | |
| Contact Captivation-axial | ≧ 6.1 lbs | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≧ 1 00 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1411 569 1460" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Temperature range</td> <td style="width: 50%;">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td>MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> </table> | | Temperature range | -65°C to +165°C | Thermal shock | MIL-STD-202, Method 107, Condition B | Moisture resistance | MIL-STD-202, Method 106 | Corrosion | MIL-STD-202, Method 101, Condition B | RoHS | Compliant | | | | | | | | |
| Temperature range | -65°C to +165°C | | | | | | | | | | | | | | | | | | |
| Thermal shock | MIL-STD-202, Method 107, Condition B | | | | | | | | | | | | | | | | | | |
| Moisture resistance | MIL-STD-202, Method 106 | | | | | | | | | | | | | | | | | | |
| Corrosion | MIL-STD-202, Method 101, Condition B | | | | | | | | | | | | | | | | | | |
| RoHS | Compliant | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1765 569 1814" style="border: 1px solid black; padding: 2px;">Tooling</div> | | | | | | | | | | | | | | | | | | | |

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| Mkr | Trace | X-Axis | Value | Notes |
|-----|-------|-------------|-----------|-------|
| 1 ▾ | S11 | 16.2030 GHz | -16.48 dB | |