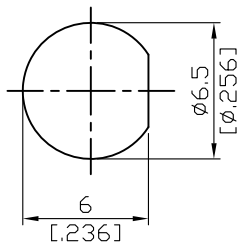
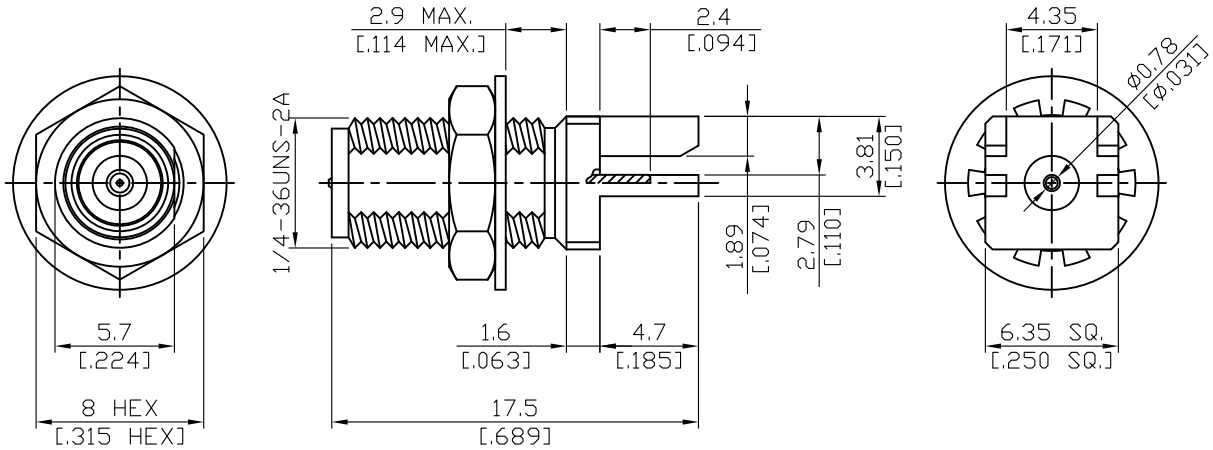


SMA9401EA-0000

SMA Reverse Polarity Jack Bulkhead End Launch (T=0.9)
With Round Contact (Φ0.78;L=2.4); 9GHz VSWR 1.2

50Ω



MOUNTING HOLE

| 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 |

This part number complies with RoHS.

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

| SMA | SMA9401EA-0000 | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|-----------------|-----------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|-------|------------------------------------|-------|------------------------------------------------|------------|--------------------------------|-----------|
| <div data-bbox="167 383 568 432" style="border: 1px solid black; padding: 2px;">Interface</div> <p>Per JYEBAO SMA Jack Reverse Polarity derived from MIL-STD-348B.</p> | | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 551 568 600" 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 9GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 9GHz)</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 9GHz | VSWR | ≤ 1.2 (DC to 9GHz) | 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 9GHz | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.2 (DC to 9GHz) | | | | | | | | | | | | | | | | | | |
| 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 1093 568 1142" 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>≥ 100</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) | ≥ 100 | | | | | | | | | | |
| Recommended coupling nut torque | 4 inch lbs | | | | | | | | | | | | | | | | | | |
| Coupling proof torque | 5.3 inch lbs | | | | | | | | | | | | | | | | | | |
| Contact Captivation-axial | ≥ 6.1 lbs | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 100 | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1397 568 1447" 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 1749 568 1798" style="border: 1px solid black; padding: 2px;">Tooling</div> | | | | | | | | | | | | | | | | | | | |

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