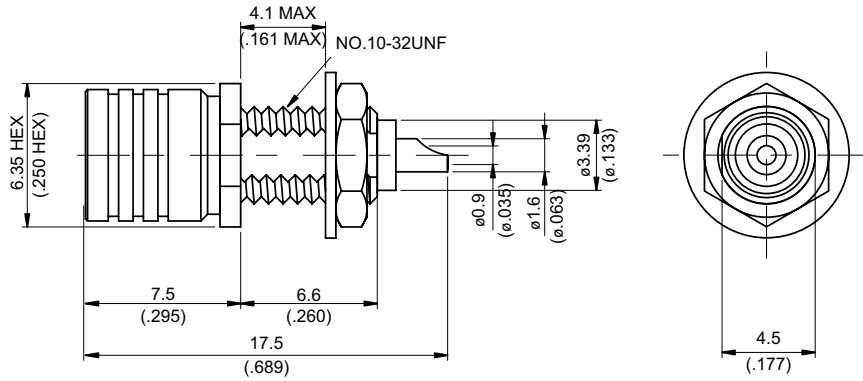
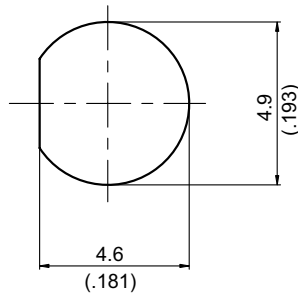


SMS3500-0000

SMS Plug Bulkhead With Solder Cup Contact; 50Ω
4GHz VSWR 1.2



MOUNTING HOLE



| Parts | Material | Plating(Micro-inch) |
|---------------|------------------|---|
| Retainer Ring | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Lock Washer | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Hex Nut | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Coupling Nut | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Pin | Beryllium Copper | 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.

| SMS | SMS3500-0000 | | | | | | | | | | | | | | | | | | |
|---|--------------------------------------|-------------------|-----------------|---------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|-------|------------------------------------|---------|--|-----------|--------------------------------|-----------|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> Mechanically compatible with SMB | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Impedance</td> <td style="text-align: right;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td style="text-align: right;">DC to 4GHz</td> </tr> <tr> <td>VSWR</td> <td style="text-align: right;">≤ 1.2 (DC to 4GHz)</td> </tr> <tr> <td>Insertion loss</td> <td style="text-align: right;">≤ 0.1 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td style="text-align: right;">≥ 10000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td style="text-align: right;">≤ 5mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td style="text-align: right;">≤ 2.5mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td style="text-align: right;">750 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td style="text-align: right;">250 V rms</td> </tr> </table> | | Impedance | 50Ω | Frequency range | DC to 4GHz | VSWR | ≤ 1.2 (DC to 4GHz) | Insertion loss | ≤ 0.1 x √f(GHz) dB | Insulation resistance | ≥ 10000MΩ | Contact resistance inner conductor | ≤ 5mΩ | Contact resistance outer conductor | ≤ 2.5mΩ | Dielectric withstanding voltage (at sea level) | 750 V rms | Working Voltage (at sea level) | 250 V rms |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | |
| Frequency range | DC to 4GHz | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.2 (DC to 4GHz) | | | | | | | | | | | | | | | | | | |
| Insertion loss | ≤ 0.1 x √f(GHz) dB | | | | | | | | | | | | | | | | | | |
| Insulation resistance | ≥ 10000MΩ | | | | | | | | | | | | | | | | | | |
| Contact resistance inner conductor | ≤ 5mΩ | | | | | | | | | | | | | | | | | | |
| Contact resistance outer conductor | ≤ 2.5mΩ | | | | | | | | | | | | | | | | | | |
| Dielectric withstanding voltage (at sea level) | 750 V rms | | | | | | | | | | | | | | | | | | |
| Working Voltage (at sea level) | 250 V rms | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Engagement force</td> <td style="text-align: right;">typ 1.8 lbs</td> </tr> <tr> <td>Disengagement force</td> <td style="text-align: right;">typ 1.1 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td style="text-align: right;">≥ 2.25 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td style="text-align: right;">≥ 500</td> </tr> </table> | | Engagement force | typ 1.8 lbs | Disengagement force | typ 1.1 lbs | Contact captivation-axial | ≥ 2.25 lbs | Durability (mating) | ≥ 500 | | | | | | | | | | |
| Engagement force | typ 1.8 lbs | | | | | | | | | | | | | | | | | | |
| Disengagement force | typ 1.1 lbs | | | | | | | | | | | | | | | | | | |
| Contact captivation-axial | ≥ 2.25 lbs | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 500 | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Temperature range</td> <td style="text-align: right;">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td style="text-align: right;">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td style="text-align: right;">MIL-STD-202, Method 106</td> </tr> <tr> <td>Contact</td> <td style="text-align: right;">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td style="text-align: right;">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 | Contact | 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 | | | | | | | | | | | | | | | | | | |
| Contact | MIL-STD-202, Method 101, Condition B | | | | | | | | | | | | | | | | | | |
| RoHS | Compliant | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div> | | | | | | | | | | | | | | | | | | | |

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