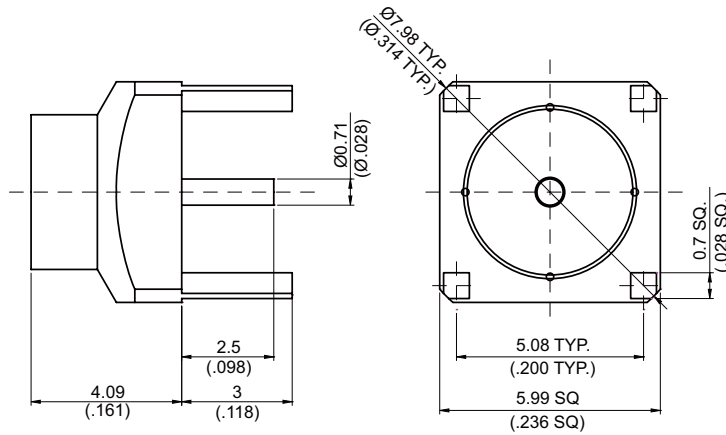


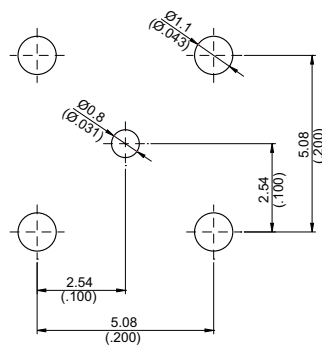
SMP34PW-00FD/NP

SMP Full Detent Plug PCB Mount
With Round Contact ($\Phi 0.71$); 18GHz VSWR 1.3

50 Ω



MOUNTING HOLE:



| Parts | Material | Plating (Micro-inch) |
|-------------|-----------------|--|
| Contact Pin | Brass | Gold 4 Over Nickel-Phosphorous Alloy 80 over Copper 20 |
| Insulator | Teflon | |
| Body | Stainless Steel | Gold 5 Over Nickel 80 over Copper 20 |

This part number complies with RoHS.

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

| SMP | SMP34PW-00FD/NP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------------|-------------------|-------------------------------|-----|-------------------|-----------------|-------------------|-------------------------------|--|------------------|--------------------------------------|------|-----|-----|---------------------|-------------------------|-----|-------|-----|---------------------|--------------------------------------|-------|--------|--|-----------------------|--------------------------------|--|--|--|------------------------------------|-------------------|--|--|--|------------------------------------|-------|--|--|--|--|-----|--|--|--|--------------------------------|-----|--|--|--|------------|-----------------------------------|--|--|--|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> MIL-STD-348B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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: 50%;">Impedance</td> <td colspan="4">50Ω</td> </tr> <tr> <td>Frequency range</td> <td colspan="4">DC to 18GHz</td> </tr> <tr> <td>VSWR</td> <td colspan="4">≤ 1.3 (DC to 18GHz)</td> </tr> <tr> <td>Insertion loss</td> <td colspan="4">≤ .06 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td colspan="4">≥ 5000 MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td colspan="4">≤ 6mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td colspan="4">≤ 2mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td colspan="4">500</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td colspan="4">335</td> </tr> <tr> <td>RF-Leakage</td> <td colspan="4">≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz)</td> </tr> </table> | | | | | Impedance | 50Ω | | | | Frequency range | DC to 18GHz | | | | VSWR | ≤ 1.3 (DC to 18GHz) | | | | Insertion loss | ≤ .06 x √f(GHz) dB | | | | Insulation resistance | ≥ 5000 MΩ | | | | Contact resistance inner conductor | ≤ 6mΩ | | | | Contact resistance outer conductor | ≤ 2mΩ | | | | Dielectric withstanding voltage (at sea level) | 500 | | | | Working Voltage (at sea level) | 335 | | | | RF-Leakage | ≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz) | | | |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency range | DC to 18GHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.3 (DC to 18GHz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insertion loss | ≤ .06 x √f(GHz) dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insulation resistance | ≥ 5000 MΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact resistance inner conductor | ≤ 6mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact resistance outer conductor | ≤ 2mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dielectric withstanding voltage (at sea level) | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Working Voltage (at sea level) | 335 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RF-Leakage | ≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 45%;"></th> <th style="width: 12.5%;">Full Detent</th> <th style="width: 12.5%;">Limited Detent</th> <th style="width: 12.5%;">Smooth bore & catchers mit</th> <th style="width: 17.5%;"></th> </tr> </thead> <tbody> <tr> <td>Engagement force</td> <td>≤ 15</td> <td>≤ 10</td> <td>≤ 2</td> <td>lbs</td> </tr> <tr> <td>Disengagement force</td> <td>≥ 5</td> <td>≥ 2</td> <td>≥ 0.5</td> <td>lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 100</td> <td>≥ 500</td> <td>≥ 1000</td> <td></td> </tr> <tr> <td>Axial misalignment</td> <td colspan="4" style="text-align: center;">+ 0.00 / -0.25 (+.000 / -.010)</td> </tr> <tr> <td>Radial misalignment</td> <td colspan="4" style="text-align: center;">±0.25 (0.010),min</td> </tr> </tbody> </table> | | | | | | Full Detent | Limited Detent | Smooth bore & catchers mit | | Engagement force | ≤ 15 | ≤ 10 | ≤ 2 | lbs | Disengagement force | ≥ 5 | ≥ 2 | ≥ 0.5 | lbs | Durability (mating) | ≥ 100 | ≥ 500 | ≥ 1000 | | Axial misalignment | + 0.00 / -0.25 (+.000 / -.010) | | | | Radial misalignment | ±0.25 (0.010),min | | | | | | | | | | | | | | | | | | | | | | | |
| | Full Detent | Limited Detent | Smooth bore & catchers mit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engagement force | ≤ 15 | ≤ 10 | ≤ 2 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disengagement force | ≥ 5 | ≥ 2 | ≥ 0.5 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 100 | ≥ 500 | ≥ 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Axial misalignment | + 0.00 / -0.25 (+.000 / -.010) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Radial misalignment | ±0.25 (0.010),min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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: 50%;">Temperature range</td> <td colspan="4">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td colspan="4">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td colspan="4">MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td colspan="4">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td colspan="4">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 style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SMP34PW-00FD/NP

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