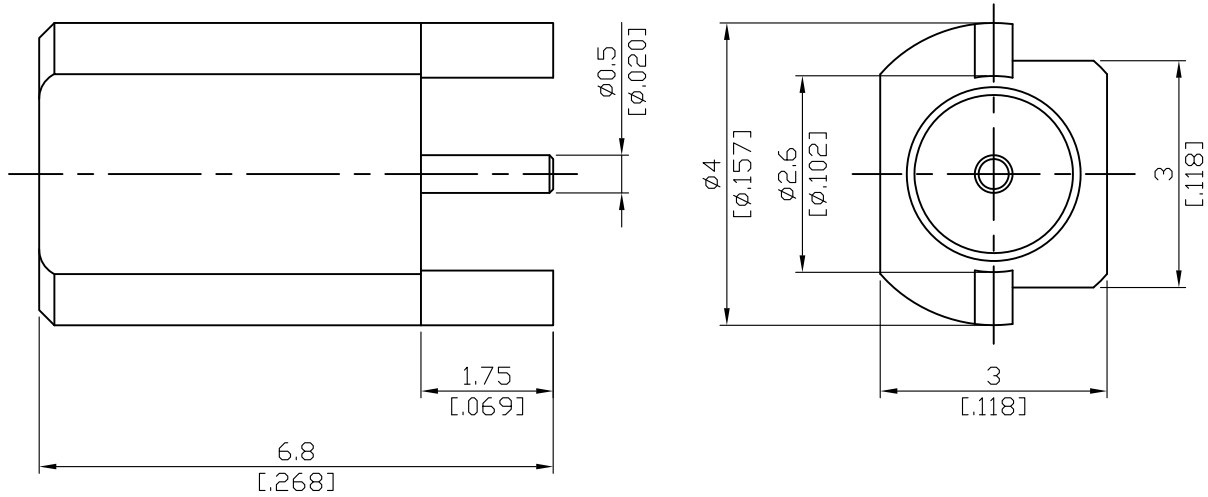


SMPM3400P-SB00

SMPM smooth bore plug PCB edge mount with round contact ($\Phi 0.5$); 27GHz VSWR1.25 & 40Ghz VSWR1.45

50 Ω



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

This part number complies with RoHS.

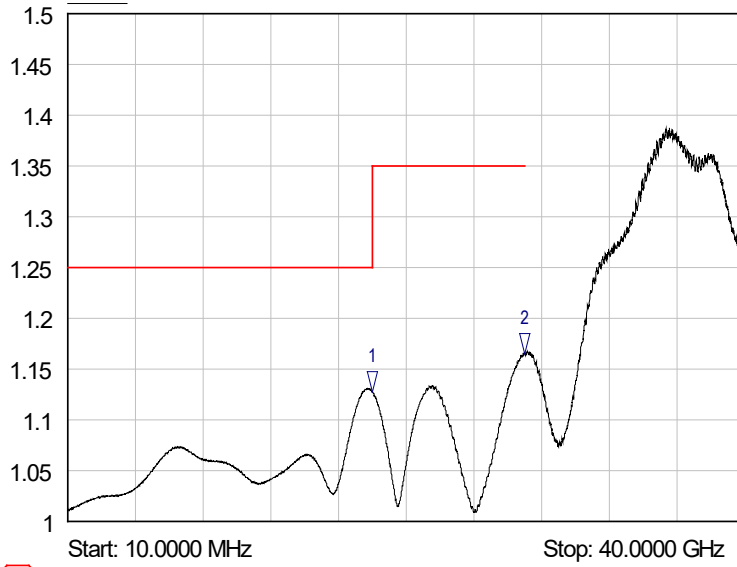
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SMPM | SMPM3400P-SB00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|-------------|-----|-------------------|-----------------|-------------|--|------------------|--------------------------------------|-------------|-----|---------------------|---------------------------------|-------------|-----|---------------------|--------------------------------------|--------|--|-------------------------|-----------|--|--|------------------------------------|-------|--|--|------------------------------------|-------|--|--|--|-----|--|--|
| <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="3">50Ω</td> </tr> <tr> <td>Frequency range</td> <td colspan="3">DC to 40GHz</td> </tr> <tr> <td>VSWR</td> <td colspan="3">≤ 1.25 (27GHz); ≤ 1.45 (40GHz)</td> </tr> <tr> <td>Insertion loss</td> <td colspan="3">≤ 0.1 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td colspan="3">≥ 5000 MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td colspan="3">≤ 6mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td colspan="3">≤ 2mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td colspan="3">325</td> </tr> </table> | | | | Impedance | 50Ω | | | Frequency range | DC to 40GHz | | | VSWR | ≤ 1.25 (27GHz); ≤ 1.45 (40GHz) | | | Insertion loss | ≤ 0.1 x √f(GHz) dB | | | Insulation resistance | ≥ 5000 MΩ | | | Contact resistance inner conductor | ≤ 6mΩ | | | Contact resistance outer conductor | ≤ 2mΩ | | | Dielectric withstanding voltage (at sea level) | 325 | | |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency range | DC to 40GHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.25 (27GHz); ≤ 1.45 (40GHz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insertion loss | ≤ 0.1 x √f(GHz) dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insulation resistance | ≥ 5000 MΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact resistance inner conductor | ≤ 6mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact resistance outer conductor | ≤ 2mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dielectric withstanding voltage (at sea level) | 325 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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: 50%;"></th> <th style="width: 20%;">Full Detent</th> <th style="width: 20%;">Smooth bore</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>Engagement force</td> <td>3.5 typical</td> <td>1.5 typical</td> <td>lbs</td> </tr> <tr> <td>Disengagement force</td> <td>5.0 typical</td> <td>1.5 typical</td> <td>lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 100</td> <td>≥ 1000</td> <td></td> </tr> <tr> <td>Contact pin captivation</td> <td colspan="3" style="text-align: center;">≥ 1.5lbs</td> </tr> </tbody> </table> | | | | | Full Detent | Smooth bore | | Engagement force | 3.5 typical | 1.5 typical | lbs | Disengagement force | 5.0 typical | 1.5 typical | lbs | Durability (mating) | ≥ 100 | ≥ 1000 | | Contact pin captivation | ≥ 1.5lbs | | | | | | | | | | | | | | |
| | Full Detent | Smooth bore | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engagement force | 3.5 typical | 1.5 typical | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disengagement force | 5.0 typical | 1.5 typical | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 100 | ≥ 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact pin captivation | ≥ 1.5lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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="3">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td colspan="3">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td colspan="3">MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td colspan="3">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td colspan="3">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> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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SMPM3400P-SB00

SoftPlot Measurement Presentation
VSWR S11



- 1 S11
▽ 18.0000 GHz
1.13 VSWR
- 2 S11
▽ 27.0000 GHz
1.17 VSWR

PASS