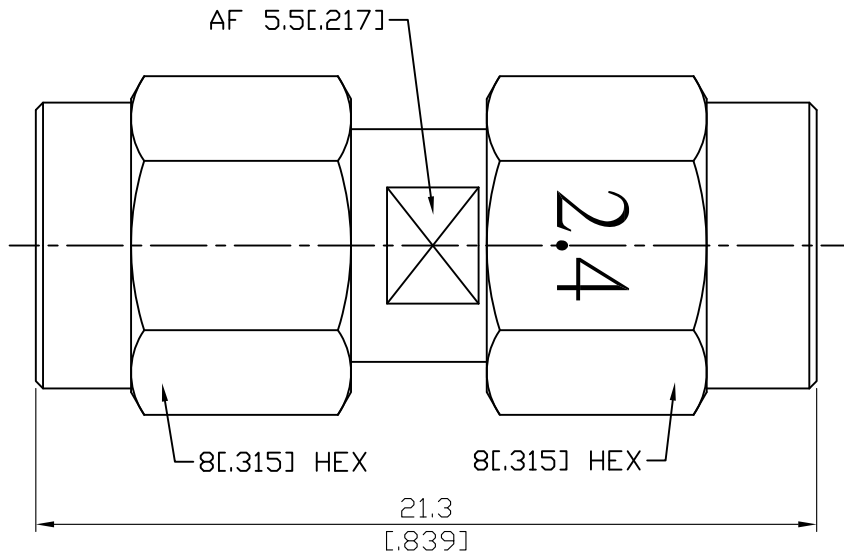


ADS-A3-2.4/3-27-1.15

SMA PLUG TO 2.4 PLUG
27GHz VSWR 1.15

50Ω



| Parts | Material | Plating (Micro-inch) |
|---------------|------------------|---|
| Insulator | PTFE & PPO | |
| Retainer Ring | Beryllium Copper | Tin-Zinc-Copper-Alloy 100 Over Copper 50 |
| Gasket | Silicone | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Body | Stainless Steel | Passivated |
| Coupling Nut | Stainless Steel | Passivated |

This part number complies with RoHS.

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

| ADS-A3-2.4/3-27-1.15 | SMA PLUG TO 2.4 PLUG 27GHz VSWR 1.15 | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----|-------------------|-----------------|---------------------|-------------------|--------------------------------------|-----------|---------------------|-------------------------|-----------|----------------|--------------------------------------|-------|-----------------------|-----------|--|--|-----------|--|--------------------------------|-----------|--|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> Standard Mechanically compatible with | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">2.4</th> <th style="width: 50%;">SMA</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">MIL-STD-348B</td> <td style="text-align: center;">MIL-STD-348B</td> </tr> <tr> <td style="text-align: center;">1.85</td> <td style="text-align: center;">2.92 & 3.5</td> </tr> </tbody> </table> | 2.4 | SMA | MIL-STD-348B | MIL-STD-348B | 1.85 | 2.92 & 3.5 | | | | | | | | | | | | | | | | |
| 2.4 | SMA | | | | | | | | | | | | | | | | | | | | | | |
| MIL-STD-348B | MIL-STD-348B | | | | | | | | | | | | | | | | | | | | | | |
| 1.85 | 2.92 & 3.5 | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance Frequency Range VSWR Insertion Loss Insulation Resistance Dielectric Withstanding Voltage (at sea level) Working Voltage (at sea level) | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;">Impedance</td> <td colspan="2" style="text-align: center;">50Ω</td> </tr> <tr> <td>Frequency Range</td> <td colspan="2" style="text-align: center;">DC To 27GHz</td> </tr> <tr> <td>VSWR</td> <td colspan="2" style="text-align: center;">≤ 1.15 (DC To 27GHz)</td> </tr> <tr> <td>Insertion Loss</td> <td colspan="2" style="text-align: center;">≤ 0.05 x √f(GHz) dB</td> </tr> <tr> <td>Insulation Resistance</td> <td colspan="2" style="text-align: center;">≥ 5000MΩ</td> </tr> <tr> <td>Dielectric Withstanding Voltage (at sea level)</td> <td colspan="2" style="text-align: center;">500 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td colspan="2" style="text-align: center;">150 V rms</td> </tr> </tbody> </table> | | Impedance | 50Ω | | Frequency Range | DC To 27GHz | | VSWR | ≤ 1.15 (DC To 27GHz) | | Insertion Loss | ≤ 0.05 x √f(GHz) dB | | Insulation Resistance | ≥ 5000MΩ | | Dielectric Withstanding Voltage (at sea level) | 500 V rms | | Working Voltage (at sea level) | 150 V rms | |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | | | | | |
| Frequency Range | DC To 27GHz | | | | | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.15 (DC To 27GHz) | | | | | | | | | | | | | | | | | | | | | | |
| Insertion Loss | ≤ 0.05 x √f(GHz) dB | | | | | | | | | | | | | | | | | | | | | | |
| Insulation Resistance | ≥ 5000MΩ | | | | | | | | | | | | | | | | | | | | | | |
| Dielectric Withstanding Voltage (at sea level) | 500 V rms | | | | | | | | | | | | | | | | | | | | | | |
| Working Voltage (at sea level) | 150 V rms | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended Coupling Nut Torque Coupling Proof Torque Coupling Nut Retention Force Contact Captivation-axial Durability (mating) | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">2.4</th> <th style="width: 50%;">SMA</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">7.08 to 9.74 in-lbs</td> <td style="text-align: center;">7.5 to 9.5 in-lbs</td> </tr> <tr> <td style="text-align: center;">15 in-lbs</td> <td style="text-align: center;">15 in-lbs</td> </tr> <tr> <td style="text-align: center;">≥ 60.7 lbs</td> <td style="text-align: center;">≥ 60.7 lbs</td> </tr> <tr> <td style="text-align: center;">≥ 4.5 lbs</td> <td style="text-align: center;">≥ 6.1 lbs</td> </tr> <tr> <td style="text-align: center;">≥ 500</td> <td style="text-align: center;">≥ 500</td> </tr> </tbody> </table> | | 2.4 | SMA | 7.08 to 9.74 in-lbs | 7.5 to 9.5 in-lbs | 15 in-lbs | 15 in-lbs | ≥ 60.7 lbs | ≥ 60.7 lbs | ≥ 4.5 lbs | ≥ 6.1 lbs | ≥ 500 | ≥ 500 | | | | | | | | | |
| 2.4 | SMA | | | | | | | | | | | | | | | | | | | | | | |
| 7.08 to 9.74 in-lbs | 7.5 to 9.5 in-lbs | | | | | | | | | | | | | | | | | | | | | | |
| 15 in-lbs | 15 in-lbs | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 60.7 lbs | ≥ 60.7 lbs | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 4.5 lbs | ≥ 6.1 lbs | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 500 | ≥ 500 | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature Range Thermal Shock Moisture Resistance Corrosion RoHS | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;">Temperature Range</td> <td colspan="2" style="text-align: center;">-55°C to +105°C</td> </tr> <tr> <td>Thermal Shock</td> <td colspan="2" style="text-align: center;">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture Resistance</td> <td colspan="2" style="text-align: center;">MIL-STD-202, Method 206</td> </tr> <tr> <td>Corrosion</td> <td colspan="2" style="text-align: center;">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td colspan="2" style="text-align: center;">Compliant</td> </tr> </tbody> </table> | | Temperature Range | -55°C to +105°C | | Thermal Shock | MIL-STD-202, Method 107, Condition B | | Moisture Resistance | MIL-STD-202, Method 206 | | Corrosion | MIL-STD-202, Method 101, Condition B | | RoHS | Compliant | | | | | | | |
| Temperature Range | -55°C to +105°C | | | | | | | | | | | | | | | | | | | | | | |
| Thermal Shock | MIL-STD-202, Method 107, Condition B | | | | | | | | | | | | | | | | | | | | | | |
| Moisture Resistance | MIL-STD-202, Method 206 | | | | | | | | | | | | | | | | | | | | | | |
| Corrosion | MIL-STD-202, Method 101, Condition B | | | | | | | | | | | | | | | | | | | | | | |
| RoHS | Compliant | | | | | | | | | | | | | | | | | | | | | | |

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