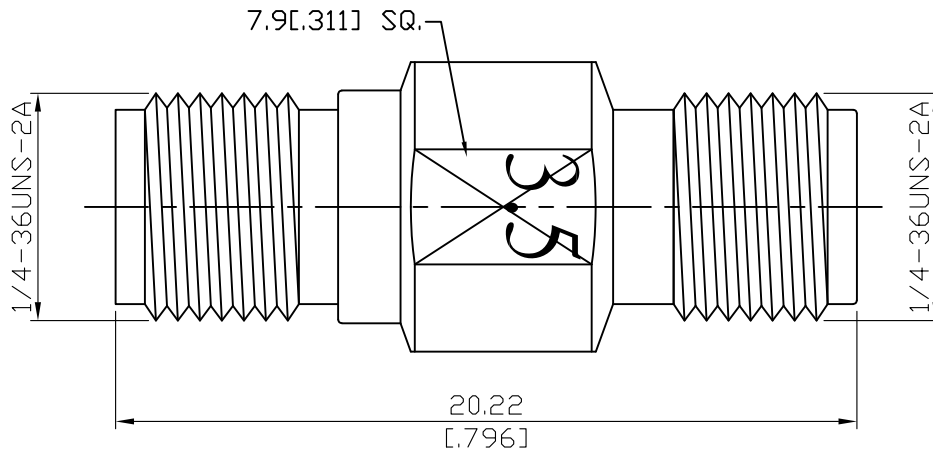


ADS-A8PC8-27-1.2

SMA Jack To 3.5 Jack
27GHz VSWR 1.2

50Ω



| Parts | Material | Plating (Micro-inch) |
|-----------------|------------------|---|
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Body | Stainless Steel | Passivated |
| Insulator (SMA) | PTFE | |
| Insulator (3.5) | PPO | |

This part number complies with RoHS.

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

| ADS-A8PC8-27-1.2 | SMA Jack To 3.5 Jack 27GHz VSWR 1.2 | | | | | | | | | | | | | | | | |
|---|--|-------------------|-------------------|-----------------|-----------------|--------------------------------------|---------------------|---|-----------------------|--------------------------------------|-----------------------|---------------------------|--|------------|--------------------------------|-----------|-------|
| <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%;"></th> <th style="width: 50%; text-align: center;">3.5</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td style="text-align: center;">IEC60169-23</td> </tr> <tr> <td>Mechanically compatible with</td> <td style="text-align: center;">2.92 & SMA</td> </tr> </tbody> </table> | | 3.5 | Standard | IEC60169-23 | Mechanically compatible with | 2.92 & SMA | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 50%; text-align: center;">SMA</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td style="text-align: center;">MIL-STD-348B</td> </tr> <tr> <td>Mechanically compatible with</td> <td style="text-align: center;">2.92 & 3.5</td> </tr> </tbody> </table> | | SMA | Standard | MIL-STD-348B | Mechanically compatible with | 2.92 & 3.5 | | | |
| | 3.5 | | | | | | | | | | | | | | | | |
| Standard | IEC60169-23 | | | | | | | | | | | | | | | | |
| Mechanically compatible with | 2.92 & SMA | | | | | | | | | | | | | | | | |
| | SMA | | | | | | | | | | | | | | | | |
| Standard | MIL-STD-348B | | | | | | | | | | | | | | | | |
| Mechanically compatible with | 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%;"> <tbody> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%; text-align: center;">50Ω</td> </tr> <tr> <td>Frequency Range</td> <td style="text-align: center;">DC To 27GHz</td> </tr> <tr> <td>VSWR</td> <td style="text-align: center;">≤ 1.2 (DC To 27GHz)</td> </tr> <tr> <td>Insertion Loss</td> <td style="text-align: center;">≤ 0.05 x √f(GHz) dB</td> </tr> <tr> <td>Insulation Resistance</td> <td style="text-align: center;">≥ 5000MΩ</td> </tr> <tr> <td>Dielectric Withstanding Voltage (at sea level)</td> <td style="text-align: center;">1000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td style="text-align: center;">335 V rms</td> </tr> </tbody> </table> | | Impedance | 50Ω | Frequency Range | DC To 27GHz | VSWR | ≤ 1.2 (DC To 27GHz) | Insertion Loss | ≤ 0.05 x √f(GHz) dB | Insulation Resistance | ≥ 5000MΩ | Dielectric Withstanding Voltage (at sea level) | 1000 V rms | Working Voltage (at sea level) | 335 V rms | |
| Impedance | 50Ω | | | | | | | | | | | | | | | | |
| Frequency Range | DC To 27GHz | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.2 (DC To 27GHz) | | | | | | | | | | | | | | | | |
| Insertion Loss | ≤ 0.05 x √f(GHz) dB | | | | | | | | | | | | | | | | |
| Insulation Resistance | ≥ 5000MΩ | | | | | | | | | | | | | | | | |
| Dielectric Withstanding Voltage (at sea level) | 1000 V rms | | | | | | | | | | | | | | | | |
| Working Voltage (at sea level) | 335 V rms | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended Coupling Nut Torque Coupling Proof Torque Contact Captivation-axial Durability (mating) | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 50%; text-align: center;">3.5</th> <th style="width: 50%; text-align: center;">SMA</th> </tr> </thead> <tbody> <tr> <td>Recommended Coupling Nut Torque</td> <td style="text-align: center;">7.1 to 9.7 in-lbs</td> <td style="text-align: center;">7.5 to 9.5 in-lbs</td> </tr> <tr> <td>Coupling Proof Torque</td> <td style="text-align: center;">15 in-lbs</td> <td style="text-align: center;">15 in-lbs</td> </tr> <tr> <td>Contact Captivation-axial</td> <td style="text-align: center;">≥ 6.1 lbs</td> <td style="text-align: center;">≥ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td style="text-align: center;">≥ 500</td> <td style="text-align: center;">≥ 500</td> </tr> </tbody> </table> | | | 3.5 | SMA | Recommended Coupling Nut Torque | 7.1 to 9.7 in-lbs | 7.5 to 9.5 in-lbs | Coupling Proof Torque | 15 in-lbs | 15 in-lbs | Contact Captivation-axial | ≥ 6.1 lbs | ≥ 6.1 lbs | Durability (mating) | ≥ 500 | ≥ 500 |
| | 3.5 | SMA | | | | | | | | | | | | | | | |
| Recommended Coupling Nut Torque | 7.1 to 9.7 in-lbs | 7.5 to 9.5 in-lbs | | | | | | | | | | | | | | | |
| Coupling Proof Torque | 15 in-lbs | 15 in-lbs | | | | | | | | | | | | | | | |
| Contact Captivation-axial | ≥ 6.1 lbs | ≥ 6.1 lbs | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 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%;"> <tbody> <tr> <td style="width: 50%;">Temperature Range</td> <td style="width: 50%; text-align: center;">-55°C to +105°C</td> </tr> <tr> <td>Thermal Shock</td> <td style="text-align: center;">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture Resistance</td> <td style="text-align: center;">MIL-STD-202, Method 206</td> </tr> <tr> <td>Corrosion</td> <td style="text-align: center;">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td 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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