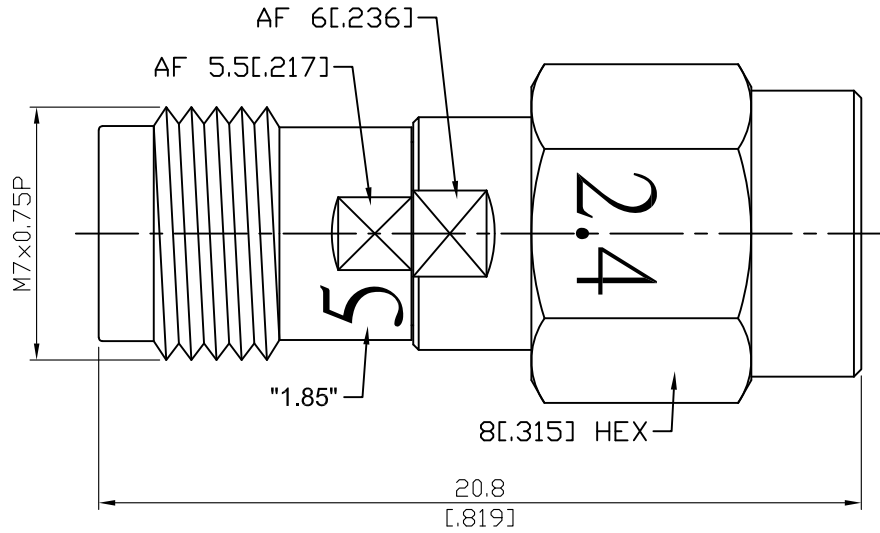


| | | |
|-----------------------|--|-----|
| ADS-1.85/8-2.4/3-1.25 | Stainless 1.85mm Jack To 2.4mm Plug 50GHz VSWR 1.25 | 50Ω |
|-----------------------|--|-----|



| Parts | Material | Plating (Micro-inch) |
|--------------|------------------|---|
| Gasket | Silicone | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator | PEI | |
| Body | Stainless Steel | Passivated |
| Coupling Nut | Stainless Steel | Passivated |

| | |
|--|--|
| | |
|--|--|

This part number complies with RoHS.

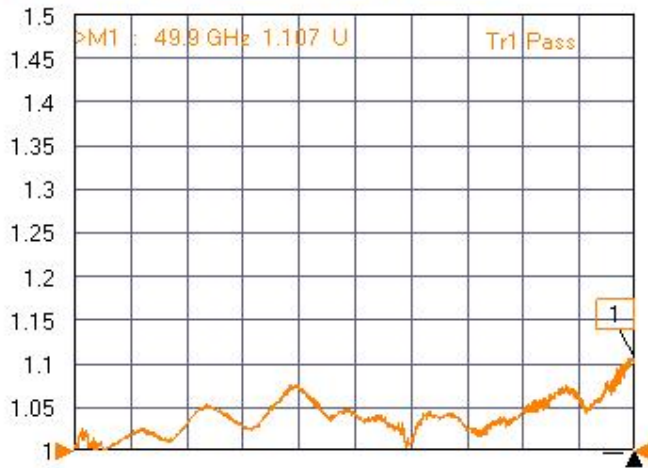
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------|--------------------|----------------------|--------------|--|--|------|-----------------------|--------------------------------------|--------------|---------------------------|-------------------------|-----|---------------------|--------------------------------------|--|-----------------------|-----------|--|--|-----------|--|--------------------------------|-----------|--|------------|-----------------|--|
| ADS-1.85/8-2.4/3-1.25 | Stainless 1.85mm Jack To 2.4mm Plug 50GHz VSWR 1.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td data-bbox="113 338 531 394">Interface</td> <td colspan="2"></td> </tr> <tr> <td data-bbox="113 394 531 479">Standard Mechanically compatible with</td> <td data-bbox="531 394 1123 479"> <table border="1"> <tr> <td data-bbox="531 394 778 432">1.85</td> <td data-bbox="778 394 1123 432">2.4</td> </tr> <tr> <td data-bbox="531 432 778 479">IEEE287; IEC61169-32</td> <td data-bbox="778 432 1123 479">MIL-STD-348B</td> </tr> </table> </td> <td data-bbox="1123 394 1479 479"></td> </tr> <tr> <td></td> <td data-bbox="531 479 778 528">2.4</td> <td data-bbox="778 479 1123 528">1.85</td> </tr> </table> | | | Interface | | | Standard Mechanically compatible with | <table border="1"> <tr> <td data-bbox="531 394 778 432">1.85</td> <td data-bbox="778 394 1123 432">2.4</td> </tr> <tr> <td data-bbox="531 432 778 479">IEEE287; IEC61169-32</td> <td data-bbox="778 432 1123 479">MIL-STD-348B</td> </tr> </table> | 1.85 | 2.4 | IEEE287; IEC61169-32 | MIL-STD-348B | | | 2.4 | 1.85 | | | | | | | | | | | | | | |
| Interface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard Mechanically compatible with | <table border="1"> <tr> <td data-bbox="531 394 778 432">1.85</td> <td data-bbox="778 394 1123 432">2.4</td> </tr> <tr> <td data-bbox="531 432 778 479">IEEE287; IEC61169-32</td> <td data-bbox="778 432 1123 479">MIL-STD-348B</td> </tr> </table> | 1.85 | 2.4 | IEEE287; IEC61169-32 | MIL-STD-348B | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.85 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE287; IEC61169-32 | MIL-STD-348B | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.4 | 1.85 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td data-bbox="113 600 531 656">Electrical Data</td> <td colspan="2"></td> </tr> <tr> <td data-bbox="113 656 531 696">Impedance</td> <td colspan="2" data-bbox="531 656 1479 696">50Ω</td> </tr> <tr> <td data-bbox="113 696 531 739">Frequency Range</td> <td colspan="2" data-bbox="531 696 1479 739">DC to 50GHz</td> </tr> <tr> <td data-bbox="113 739 531 784">VSWR</td> <td colspan="2" data-bbox="531 739 1479 784">≤ 1.25 (DC to 50GHz)</td> </tr> <tr> <td data-bbox="113 784 531 828">Insertion Loss</td> <td colspan="2" data-bbox="531 784 1479 828">≤ 0.05 x √f(GHz) dB</td> </tr> <tr> <td data-bbox="113 828 531 873">Insulation Resistance</td> <td colspan="2" data-bbox="531 828 1479 873">≥ 5000MΩ</td> </tr> <tr> <td data-bbox="113 873 531 918">Dielectric Withstanding Voltage (at sea level)</td> <td colspan="2" data-bbox="531 873 1479 918">500 V rms</td> </tr> <tr> <td data-bbox="113 918 531 963">Working Voltage (at sea level)</td> <td colspan="2" data-bbox="531 918 1479 963">150 V rms</td> </tr> <tr> <td data-bbox="113 963 531 1008">RF Leakage</td> <td colspan="2" data-bbox="531 963 1479 1008">≥ 100dB to 1GHz</td> </tr> </table> | | | Electrical Data | | | Impedance | 50Ω | | Frequency Range | DC to 50GHz | | VSWR | ≤ 1.25 (DC to 50GHz) | | 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 | | RF Leakage | ≥ 100dB to 1GHz | |
| Electrical Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency Range | DC to 50GHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.25 (DC to 50GHz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RF Leakage | ≥ 100dB to 1GHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td data-bbox="113 1149 531 1205">Mechanical Data</td> <td colspan="2"></td> </tr> <tr> <td data-bbox="113 1205 531 1249">Recommended Coupling Nut Torque</td> <td colspan="2" data-bbox="531 1205 1479 1249">7.08 to 9.74 inch lbs</td> </tr> <tr> <td data-bbox="113 1249 531 1294">Coupling Proof Torque</td> <td colspan="2" data-bbox="531 1249 1479 1294">15 in-lbs</td> </tr> <tr> <td data-bbox="113 1294 531 1339">Contact Captivation-axial</td> <td colspan="2" data-bbox="531 1294 1479 1339">≥ 4.5 lbs</td> </tr> <tr> <td data-bbox="113 1339 531 1384">Durability (mating)</td> <td colspan="2" data-bbox="531 1339 1479 1384">≥ 500</td> </tr> </table> | | | Mechanical Data | | | Recommended Coupling Nut Torque | 7.08 to 9.74 inch lbs | | Coupling Proof Torque | 15 in-lbs | | Contact Captivation-axial | ≥ 4.5 lbs | | Durability (mating) | ≥ 500 | | | | | | | | | | | | | |
| Mechanical Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recommended Coupling Nut Torque | 7.08 to 9.74 inch lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coupling Proof Torque | 15 in-lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact Captivation-axial | ≥ 4.5 lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td data-bbox="113 1500 531 1556">Environmental Data</td> <td colspan="2"></td> </tr> <tr> <td data-bbox="113 1556 531 1601">Temperature Range</td> <td colspan="2" data-bbox="531 1556 1479 1601">-40°C to +165°C</td> </tr> <tr> <td data-bbox="113 1601 531 1646">Thermal Shock</td> <td colspan="2" data-bbox="531 1601 1479 1646">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td data-bbox="113 1646 531 1691">Moisture Resistance</td> <td colspan="2" data-bbox="531 1646 1479 1691">MIL-STD-202, Method 206</td> </tr> <tr> <td data-bbox="113 1691 531 1736">Corrosion</td> <td colspan="2" data-bbox="531 1691 1479 1736">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td data-bbox="113 1736 531 1780">RoHS</td> <td colspan="2" data-bbox="531 1736 1479 1780">Compliant</td> </tr> </table> | | | Environmental Data | | | Temperature Range | -40°C to +165°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 | | | | | | | | | | |
| Environmental Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Range | -40°C to +165°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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

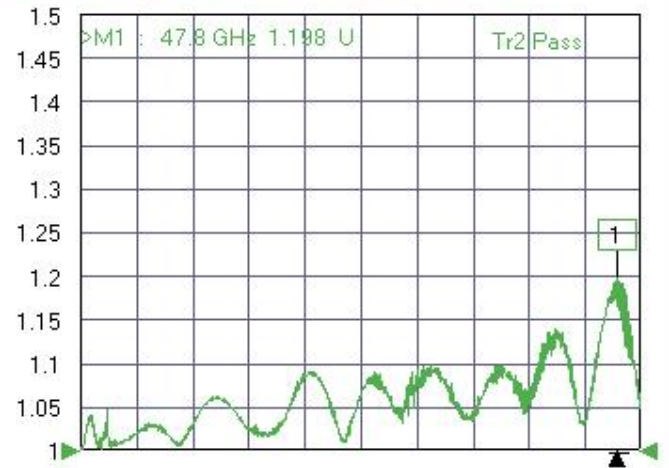
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

ADS-1.85/8-2.4/3-1.25

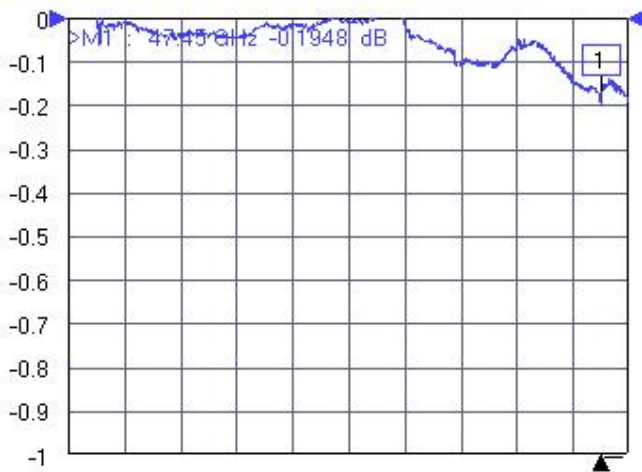
Tr1 S11 Refl SWR RefLvl: 1 U Res: 50 mU/Div



Tr2 S22 Refl SWR RefLvl: 1 U Res: 50 mU/Div



Tr3 S21 Trans LogM RefLvl: 0 dB Res: 0.1 dB/Div



Tr4 S12 Trans LogM RefLvl: 0 dB Res: 0.1 dB/Div

