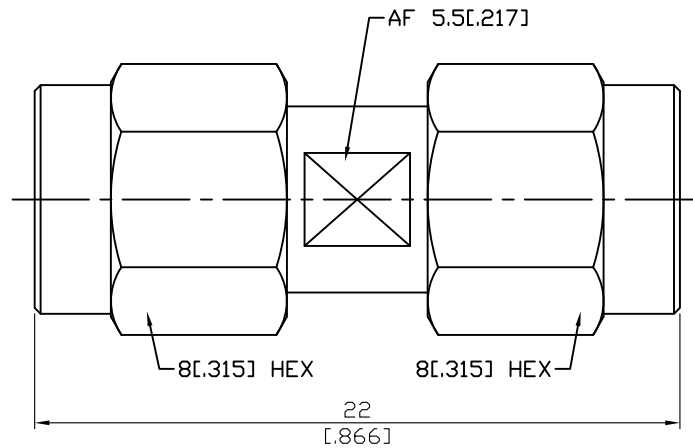


ADS-A3A3-18-1.15

SMA Plug To SMA Plug  
18GHz VSWR 1.15

50Ω



| Parts         | Material         | Plating ( Micro-inch )                                |
|---------------|------------------|---|
| 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 |
| Insulator     | Teflon           |   |
| 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-A3A3-18-1.15  | SMA Plug To SMA Plug<br>18GHz VSWR 1.15 |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 342 531 392"><b>Interface</b></td> </tr> <tr> <td data-bbox="129 398 774 436">Standard</td> <td data-bbox="774 398 1482 436">MIL-STD-348B</td> </tr> <tr> <td data-bbox="129 443 774 481">Mechanically compatible with</td> <td data-bbox="774 443 1482 481">2.92 &amp; 3.5</td> </tr> </table>  |   | <b>Interface</b>          |  | Standard                        | MIL-STD-348B    | Mechanically compatible with | 2.92 & 3.5                           |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <b>Interface</b>  |   |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Standard  | MIL-STD-348B                            |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Mechanically compatible with  | 2.92 & 3.5                              |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 602 531 651"><b>Electrical Data</b></td> </tr> <tr> <td data-bbox="129 658 774 696">Impedance</td> <td data-bbox="774 658 1482 696">50Ω</td> </tr> <tr> <td data-bbox="129 703 774 741">Frequency Range</td> <td data-bbox="774 703 1482 741">DC To 18GHz</td> </tr> <tr> <td data-bbox="129 748 774 786">VSWR</td> <td data-bbox="774 748 1482 786">≤ 1.15 (DC To 18GHz)</td> </tr> <tr> <td data-bbox="129 792 774 831">Insertion Loss</td> <td data-bbox="774 792 1482 831">≤ 0.04 x √f(GHz) dB</td> </tr> <tr> <td data-bbox="129 837 774 875">Insulation Resistance</td> <td data-bbox="774 837 1482 875">≥ 5000MΩ</td> </tr> <tr> <td data-bbox="129 882 774 920">Dielectric Withstanding Voltage (at sea level)</td> <td data-bbox="774 882 1482 920">1500 V rms</td> </tr> <tr> <td data-bbox="129 927 774 965">Working Voltage (at sea level)</td> <td data-bbox="774 927 1482 965">500 V rms</td> </tr> </table> |   | <b>Electrical Data</b>    |  | Impedance                       | 50Ω             | Frequency Range              | DC To 18GHz                          | VSWR                         | ≤ 1.15 (DC To 18GHz)    | Insertion Loss            | ≤ 0.04 x √f(GHz) dB                  | Insulation Resistance | ≥ 5000MΩ  | Dielectric Withstanding Voltage (at sea level) | 1500 V rms | Working Voltage (at sea level) | 500 V rms |
| <b>Electrical Data</b>  |   |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Impedance   | 50Ω                                     |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Frequency Range   | DC To 18GHz                             |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| VSWR  | ≤ 1.15 (DC To 18GHz)                    |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Insertion Loss  | ≤ 0.04 x √f(GHz) dB                     |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Insulation Resistance   | ≥ 5000MΩ                                |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Dielectric Withstanding Voltage (at sea level)  | 1500 V rms                              |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Working Voltage (at sea level)  | 500 V rms                               |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 1099 531 1149"><b>Mechanical Data</b></td> </tr> <tr> <td data-bbox="129 1155 774 1193">Recommended Coupling Nut Torque</td> <td data-bbox="774 1155 1482 1193">7 to 9.5 in-lbs</td> </tr> <tr> <td data-bbox="129 1200 774 1238">Coupling Proof Torque</td> <td data-bbox="774 1200 1482 1238">15 in-lbs</td> </tr> <tr> <td data-bbox="129 1245 774 1283">Coupling Nut Retention Force</td> <td data-bbox="774 1245 1482 1283">≥ 60.7 lbs</td> </tr> <tr> <td data-bbox="129 1290 774 1328">Contact Captivation-axial</td> <td data-bbox="774 1290 1482 1328">≥ 6.1 lbs</td> </tr> <tr> <td data-bbox="129 1335 774 1373">Durability (mating)</td> <td data-bbox="774 1335 1482 1373">≥ 500</td> </tr> </table>  |   | <b>Mechanical Data</b>    |  | Recommended Coupling Nut Torque | 7 to 9.5 in-lbs | Coupling Proof Torque        | 15 in-lbs                            | Coupling Nut Retention Force | ≥ 60.7 lbs              | Contact Captivation-axial | ≥ 6.1 lbs                            | Durability (mating)   | ≥ 500     |  |            |                                |           |
| <b>Mechanical Data</b>  |   |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Recommended Coupling Nut Torque   | 7 to 9.5 in-lbs                         |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Coupling Proof Torque   | 15 in-lbs                               |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Coupling Nut Retention Force  | ≥ 60.7 lbs                              |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Contact Captivation-axial   | ≥ 6.1 lbs                               |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Durability (mating)   | ≥ 500                                   |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 1503 531 1552"><b>Environmental Data</b></td> </tr> <tr> <td data-bbox="129 1559 774 1597">Temperature Range</td> <td data-bbox="774 1559 1482 1597">-65°C to +165°C</td> </tr> <tr> <td data-bbox="129 1603 774 1641">Thermal Shock</td> <td data-bbox="774 1603 1482 1641">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td data-bbox="129 1648 774 1686">Moisture Resistance</td> <td data-bbox="774 1648 1482 1686">MIL-STD-202, Method 206</td> </tr> <tr> <td data-bbox="129 1693 774 1731">Corrosion</td> <td data-bbox="774 1693 1482 1731">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td data-bbox="129 1738 774 1776">RoHS</td> <td data-bbox="774 1738 1482 1776">Compliant</td> </tr> </table>  |   | <b>Environmental Data</b> |  | Temperature Range               | -65°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 |  |            |                                |           |
| <b>Environmental Data</b>   |   |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Temperature Range   | -65°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                               |                           |  |                                 |                 |                              |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |

# ADS-A3A3-18-1.15

