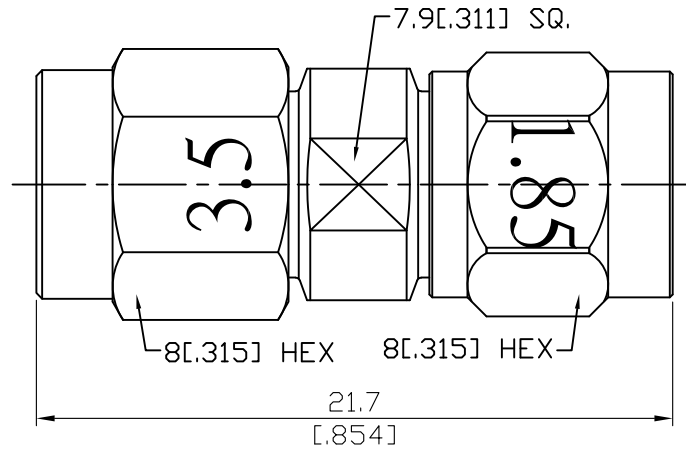


ADS-PC3-1.85/3-1.15

3.5mm Plug To 1.85mm Plug  
34.5GHz 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     | PPO              |   |
| 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-PC3-1.85/3-1.15   | 3.5mm Plug To 1.85mm Plug<br>34.5GHz VSWR 1.15  |                   |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
|---|---|-------------------|-------------------|-----------------|-----------------|--------------------------------------|---------------------|------------------------------|-----------------------|--------------------------------------|-----------------------|---------------------------|--|-----------|--------------------------------|-----------|------------|-----------------|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> Standard<br>Mechanically compatible with  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">1.85</th> <th style="width: 25%;">3.5</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>IEEE 287;IEC61169-32</td> <td>IEC60169-23</td> </tr> <tr> <td>Mechanically compatible with</td> <td>2.4</td> <td>SMA &amp; 2.92</td> </tr> </tbody> </table>   |                   | 1.85              | 3.5             | Standard        | IEEE 287;IEC61169-32                 | IEC60169-23         | Mechanically compatible with | 2.4                   | SMA & 2.92                           |                       |                           |  |           |                                |           |            |                 |
|   | 1.85  | 3.5               |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Standard  | IEEE 287;IEC61169-32  | IEC60169-23       |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Mechanically compatible with  | 2.4   | SMA & 2.92        |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance<br>Frequency Range<br>VSWR<br>Insertion Loss<br>Insulation Resistance<br>Dielectric Withstanding Voltage (at sea level)<br>Working Voltage (at sea level)<br>RF leakage | <table style="width: 100%;"> <tbody> <tr> <td>Impedance</td> <td>50Ω</td> </tr> <tr> <td>Frequency Range</td> <td>DC To 34.5GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.15 (DC To 34.5GHz)</td> </tr> <tr> <td>Insertion Loss</td> <td>≤ 0.04 x √f(GHz) dB</td> </tr> <tr> <td>Insulation Resistance</td> <td>≥ 5000MΩ</td> </tr> <tr> <td>Dielectric Withstanding Voltage (at sea level)</td> <td>500 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td>150 V rms</td> </tr> <tr> <td>RF leakage</td> <td>≥ 100dB to 1GHz</td> </tr> </tbody> </table>           |                   | Impedance         | 50Ω             | Frequency Range | DC To 34.5GHz                        | VSWR                | ≤ 1.15 (DC To 34.5GHz)       | Insertion Loss        | ≤ 0.04 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 |
| Impedance   | 50Ω   |                   |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Frequency Range   | DC To 34.5GHz   |                   |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| VSWR  | ≤ 1.15 (DC To 34.5GHz)  |                   |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Insertion Loss  | ≤ 0.04 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   |                   |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended Coupling Nut Torque<br>Coupling Proof Torque<br>Contact Captivation-axial<br>Durability (mating)  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">1.85</th> <th style="width: 25%;">3.5</th> </tr> </thead> <tbody> <tr> <td>Recommended Coupling Nut Torque</td> <td>7.08 to 9.74 in-lbs</td> <td>7.1 to 9.7 in-lbs</td> </tr> <tr> <td>Coupling Proof Torque</td> <td>15 in-lbs</td> <td>15 in-lbs</td> </tr> <tr> <td>Contact Captivation-axial</td> <td>≥ 4.5 lbs</td> <td>≥ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 500</td> <td>≥ 500</td> </tr> </tbody> </table> |                   |                   | 1.85            | 3.5             | Recommended Coupling Nut Torque      | 7.08 to 9.74 in-lbs | 7.1 to 9.7 in-lbs            | Coupling Proof Torque | 15 in-lbs                            | 15 in-lbs             | Contact Captivation-axial | ≥ 4.5 lbs                                      | ≥ 6.1 lbs | Durability (mating)            | ≥ 500     | ≥ 500      |                 |
|   | 1.85  | 3.5               |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Recommended Coupling Nut Torque   | 7.08 to 9.74 in-lbs   | 7.1 to 9.7 in-lbs |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Coupling Proof Torque   | 15 in-lbs   | 15 in-lbs         |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Contact Captivation-axial   | ≥ 4.5 lbs   | ≥ 6.1 lbs         |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| Durability (mating)   | ≥ 500   | ≥ 500             |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature Range<br>Thermal Shock<br>Moisture Resistance<br>Corrosion<br>RoHS   | <table style="width: 100%;"> <tbody> <tr> <td>Temperature Range</td> <td>-55°C to +105°C</td> </tr> <tr> <td>Thermal Shock</td> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture Resistance</td> <td>MIL-STD-202, Method 206</td> </tr> <tr> <td>Corrosion</td> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td>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   |                   |                   |                 |                 |                                      |                     |                              |                       |                                      |                       |                           |  |           |                                |           |            |                 |

# ADS-PC3-1.85/3-1.15

