

| AD-T6T8A        | TNC Reverse Polarity Plug To TNC Jack<br>6GHz VSWR 1.2<br>50Ω |   |
|-----------------|---|---|
|                 |   |   |
| Parts           | Material  | Plating (Micro-inch)                                  |
| Contact Pin     | Beryllium Copper  | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator       | Teflon  |   |
| Body            | Brass   | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Ring            | Delrin  |   |
| Gasket          | Silicone  |   |
| Washer          | Brass   | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Lock Washer     | Brass   | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Coupling Nut    | Brass   | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Weight: 17.12 g |   |   |

This part number complies with RoHS.

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

|   |  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
|---|--|---------------------------------|-------------------|-----------------------|--------------------------------------|------------------------------|-------------------------|---------------------------|--------------------------------------|-----------------------|-----------|--|------------|--------------------------------|-----------|
| AD-T6T8A  | <b>TNC Reverse Polarity Plug To TNC Jack<br/>6GHz VSWR 1.2</b> |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> <p>Reverse Polarity Plug Side:<br/>Per JYEBAO TNC Reverse Polarity Plug derived from MIL-STD-348B</p> <p>Standard Polarity Jack Side:<br/>Per MIL-STD-348B</p>  |  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%;">50Ω</td> </tr> <tr> <td>Frequency Range</td> <td>DC to 6GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC To 6GHz)</td> </tr> <tr> <td>Insertion Loss</td> <td>≤ 0.05 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>1000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td>500 V rms</td> </tr> </table> |  | Impedance                       | 50Ω               | Frequency Range       | DC to 6GHz                           | VSWR                         | ≤ 1.2 (DC To 6GHz)      | 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) | 500 V rms |
| Impedance   | 50Ω  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Frequency Range   | DC to 6GHz   |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| VSWR  | ≤ 1.2 (DC To 6GHz)   |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| 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)  | 500 V rms  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Recommended Coupling Nut Torque</td> <td style="width: 50%;">4.1 to 6.1 in-lbs</td> </tr> <tr> <td>Coupling Proof Torque</td> <td>15 in-lbs</td> </tr> <tr> <td>Coupling Nut Retention Force</td> <td>≥ 101.2 lbs</td> </tr> <tr> <td>Contact Captivation-axial</td> <td>≥ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 500</td> </tr> </table>  |  | Recommended Coupling Nut Torque | 4.1 to 6.1 in-lbs | Coupling Proof Torque | 15 in-lbs                            | Coupling Nut Retention Force | ≥ 101.2 lbs             | Contact Captivation-axial | ≥ 6.1 lbs                            | Durability (mating)   | ≥ 500     |  |            |                                |           |
| Recommended Coupling Nut Torque   | 4.1 to 6.1 in-lbs  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Coupling Proof Torque   | 15 in-lbs  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Coupling Nut Retention Force  | ≥ 101.2 lbs  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Contact Captivation-axial   | ≥ 6.1 lbs  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| Durability (mating)   | ≥ 500  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Temperature Range</td> <td style="width: 50%;">-65°C to +165°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> </table>   |  | 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 |  |            |                                |           |
| 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  |                                 |                   |                       |                                      |                              |                         |                           |                                      |                       |           |  |            |                                |           |

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