

| ADS-A3N3  | Stainless SMA Plug To N Plug<br>11GHz VSWR 1.2 | 50Ω   |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
|---|--|---|-------|----------|----------------------|---------------|------------------|--|---------------|-------|--|--------|----------|--|-------------|-------|---|-----------|--------|--|------|-----------|------------|--------------|-----------|------------|
|   |  |   |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Parts</th> <th style="width: 20%;">Material</th> <th style="width: 60%;">Plating (Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Retainer Ring</td> <td>Beryllium Copper</td> <td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td> </tr> <tr> <td>Retainer Ring</td> <td>Brass</td> <td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td> </tr> <tr> <td>Gasket</td> <td>Silicone</td> <td></td> </tr> <tr> <td>Contact Pin</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Insulator</td> <td>Teflon</td> <td></td> </tr> <tr> <td>Body</td> <td>Stainless</td> <td>Passivated</td> </tr> <tr> <td>Coupling Nut</td> <td>Stainless</td> <td>Passivated</td> </tr> </tbody> </table> |  |   | Parts | Material | Plating (Micro-inch) | Retainer Ring | Beryllium Copper | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | Retainer Ring | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | Gasket | Silicone |  | Contact Pin | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 | Insulator | Teflon |  | Body | Stainless | Passivated | Coupling Nut | Stainless | Passivated |
| Parts   | Material                                       | Plating (Micro-inch)                                  |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Retainer Ring   | Beryllium Copper                               | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Retainer Ring   | Brass  | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Gasket  | Silicone                                       |   |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Contact Pin   | Brass  | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Insulator   | Teflon   |   |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Body  | Stainless                                      | Passivated  |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Coupling Nut  | Stainless                                      | Passivated  |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |
| Weight: 31.21 g   |  |   |       |          |                      |               |                  |  |               |       |  |        |          |  |             |       |   |           |        |  |      |           |            |              |           |            |

**This part number complies with RoHS.**

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| ADS-A3N3  | Stainless SMA Plug To N Plug<br>11GHz VSWR 1.2  |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
|---|---|-----|-----------------|--------------------------------------|-------------------------|--------------------------------------|-----------|------------|------------|-------------|-----------|-----------|-------|-------|
| <b>Interface</b><br>Standard<br>Mechanically compatible with  | <table border="1"> <thead> <tr> <th>SMA</th> <th>N</th> </tr> </thead> <tbody> <tr> <td>MIL-STD-348B</td> <td>MIL-STD-348B</td> </tr> <tr> <td>2.92 &amp; 3.5</td> <td></td> </tr> </tbody> </table>  | SMA | N               | MIL-STD-348B                         | MIL-STD-348B            | 2.92 & 3.5                           |           |            |            |             |           |           |       |       |
| SMA   | N   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| MIL-STD-348B  | MIL-STD-348B  |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| 2.92 & 3.5  |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| <b>Electrical Data</b><br>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) | <table border="1"> <tbody> <tr> <td>50Ω</td> </tr> <tr> <td>DC To 11GHz</td> </tr> <tr> <td>≤ 1.2 (DC To 11GHz)</td> </tr> <tr> <td>≤ 0.04 x √f(GHz) dB</td> </tr> <tr> <td>≥ 5000MΩ</td> </tr> <tr> <td>1500 V rms</td> </tr> <tr> <td>500 V rms</td> </tr> </tbody> </table>  |     | 50Ω             | DC To 11GHz                          | ≤ 1.2 (DC To 11GHz)     | ≤ 0.04 x √f(GHz) dB                  | ≥ 5000MΩ  | 1500 V rms | 500 V rms  |             |           |           |       |       |
| 50Ω   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| DC To 11GHz   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| ≤ 1.2 (DC To 11GHz)   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| ≤ 0.04 x √f(GHz) dB   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| ≥ 5000MΩ  |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| 1500 V rms  |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| 500 V rms   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| <b>Mechanical Data</b><br>Recommended Coupling Nut Torque<br>Coupling Proof Torque<br>Coupling Nut Retention Force<br>Contact Captivation-axial<br>Durability (mating)                        | <table border="1"> <thead> <tr> <th>SMA</th> <th>N</th> </tr> </thead> <tbody> <tr> <td>7 to 9.5 in-lbs</td> <td>6 to 10 in-lbs</td> </tr> <tr> <td>15 in-lbs</td> <td>15 in-lbs</td> </tr> <tr> <td>≥ 60.7 lbs</td> <td>≥ 101.2 lbs</td> </tr> <tr> <td>≥ 6.1 lbs</td> <td>≥ 6.3 lbs</td> </tr> <tr> <td>≥ 500</td> <td>≥ 500</td> </tr> </tbody> </table> |     | SMA             | N                                    | 7 to 9.5 in-lbs         | 6 to 10 in-lbs                       | 15 in-lbs | 15 in-lbs  | ≥ 60.7 lbs | ≥ 101.2 lbs | ≥ 6.1 lbs | ≥ 6.3 lbs | ≥ 500 | ≥ 500 |
| SMA   | N   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| 7 to 9.5 in-lbs   | 6 to 10 in-lbs  |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| 15 in-lbs   | 15 in-lbs   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| ≥ 60.7 lbs  | ≥ 101.2 lbs   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| ≥ 6.1 lbs   | ≥ 6.3 lbs   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| ≥ 500   | ≥ 500   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| <b>Environmental Data</b><br>Temperature Range<br>Thermal Shock<br>Moisture Resistance<br>Corrosion<br>RoHS   | <table border="1"> <tbody> <tr> <td>-65°C to +165°C</td> </tr> <tr> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>MIL-STD-202, Method 206</td> </tr> <tr> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>Compliant</td> </tr> </tbody> </table>  |     | -65°C to +165°C | MIL-STD-202, Method 107, Condition B | MIL-STD-202, Method 206 | MIL-STD-202, Method 101, Condition B | Compliant |            |            |             |           |           |       |       |
| -65°C to +165°C   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| MIL-STD-202, Method 107, Condition B  |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| MIL-STD-202, Method 206   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| MIL-STD-202, Method 101, Condition B  |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |
| Compliant   |   |     |                 |                                      |                         |                                      |           |            |            |             |           |           |       |       |

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