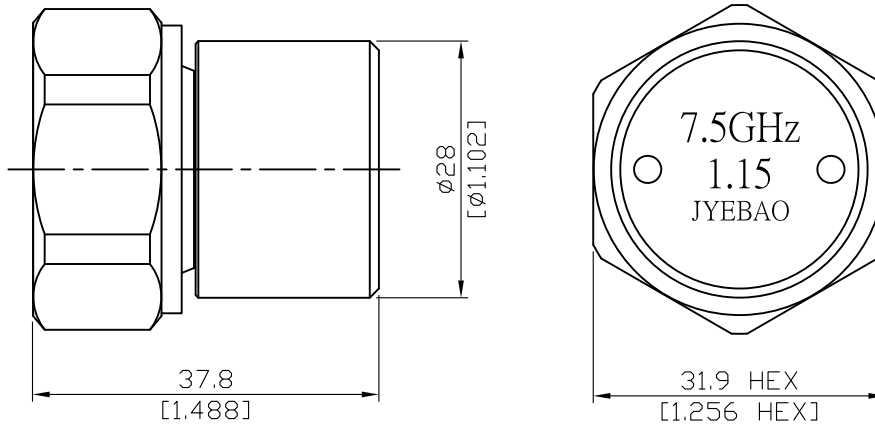


|                     |  |     |
|---------------------|--|-----|
| 7/16-3900-0007-1.15 | 2 Watt 50ohm 7/16 Plug Termination<br>7.5GHz VSWR 1.15 | 50Ω |
|---------------------|--|-----|



2W average power from -55°C to 70°C linearly derated to 1 Watt at 165°C

| Parts        | Material | Plating ( Micro-inch )                                |
|--------------|----------|---|
| Body         | 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   |   |
| Coupling Nut | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |

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

This part number complies with RoHS.

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

|   |                                     |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
|---|-------------------------------------|---------------------------------|-----------------|-----------------------|-------------------------------------|------------------------------|------------------------|---------------------------|-------------------------------------|-----------------------|-----------|------------------------------------|---------|------------------------------------|---------|--|------------|--------------------------------|------------|------------|-----------------|
| 7/16  | 7/16-3900-0007-1.15                 |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> <p>IEC 60169-4</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: 60%;">Impedance</td> <td style="text-align: right;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td style="text-align: right;">DC to 7.5GHz</td> </tr> <tr> <td>VSWR</td> <td style="text-align: right;">≦ 1.15 (DC to 7.5GHz)</td> </tr> <tr> <td>Insertion loss</td> <td style="text-align: right;">≦ 0.05dB</td> </tr> <tr> <td>Insulation resistance</td> <td style="text-align: right;">≧ 10000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td style="text-align: right;">≦ 0.4mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td style="text-align: right;">≦ 1.5mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td style="text-align: right;">4000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td style="text-align: right;">2700 V rms</td> </tr> <tr> <td>Rf leakage</td> <td style="text-align: right;">≧ 128dB to 1GHz</td> </tr> </table> |                                     | Impedance                       | 50Ω             | Frequency range       | DC to 7.5GHz                        | VSWR                         | ≦ 1.15 (DC to 7.5GHz)  | Insertion loss            | ≦ 0.05dB                            | Insulation resistance | ≧ 10000MΩ | Contact resistance inner conductor | ≦ 0.4mΩ | Contact resistance outer conductor | ≦ 1.5mΩ | Dielectric withstanding voltage (at sea level) | 4000 V rms | Working Voltage (at sea level) | 2700 V rms | Rf leakage | ≧ 128dB to 1GHz |
| Impedance   | 50Ω                                 |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Frequency range   | DC to 7.5GHz                        |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| VSWR  | ≦ 1.15 (DC to 7.5GHz)               |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Insertion loss  | ≦ 0.05dB                            |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Insulation resistance   | ≧ 10000MΩ                           |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Contact resistance inner conductor  | ≦ 0.4mΩ                             |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Contact resistance outer conductor  | ≦ 1.5mΩ                             |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Dielectric withstanding voltage (at sea level)  | 4000 V rms                          |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Working Voltage (at sea level)  | 2700 V rms                          |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Rf leakage  | ≧ 128dB to 1GHz                     |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| <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: 60%;">Recommended coupling nut torque</td> <td style="text-align: right;">260 inch lbs</td> </tr> <tr> <td>Coupling proof torque</td> <td style="text-align: right;">310 inch lbs</td> </tr> <tr> <td>Coupling nut retention force</td> <td style="text-align: right;">≧ 221 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td style="text-align: right;">≧ 45 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td style="text-align: right;">≧ 500</td> </tr> </table>  |                                     | Recommended coupling nut torque | 260 inch lbs    | Coupling proof torque | 310 inch lbs                        | Coupling nut retention force | ≧ 221 lbs              | Contact captivation-axial | ≧ 45 lbs                            | Durability (mating)   | ≧ 500     |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Recommended coupling nut torque   | 260 inch lbs                        |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Coupling proof torque   | 310 inch lbs                        |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Coupling nut retention force  | ≧ 221 lbs                           |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Contact captivation-axial   | ≧ 45 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: 60%;">Temperature range</td> <td style="text-align: right;">-55°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td style="text-align: right;">MIL-STD-202, Method107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td style="text-align: right;">MIL-STD-202, Method106</td> </tr> <tr> <td>Corrosion</td> <td style="text-align: right;">MIL-STD-202, Method101, Condition B</td> </tr> <tr> <td>RoHS</td> <td style="text-align: right;">Compliant</td> </tr> </table>   |                                     | Temperature range               | -55°C to +165°C | Thermal shock         | MIL-STD-202, Method107, Condition B | Moisture resistance          | MIL-STD-202, Method106 | Corrosion                 | MIL-STD-202, Method101, Condition B | RoHS                  | Compliant |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Temperature range   | -55°C to +165°C                     |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Thermal shock   | MIL-STD-202, Method107, Condition B |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Moisture resistance   | MIL-STD-202, Method106              |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| Corrosion   | MIL-STD-202, Method101, Condition B |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| RoHS  | Compliant                           |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div>   |                                     |                                 |                 |                       |                                     |                              |                        |                           |                                     |                       |           |                                    |         |                                    |         |  |            |                                |            |            |                 |

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