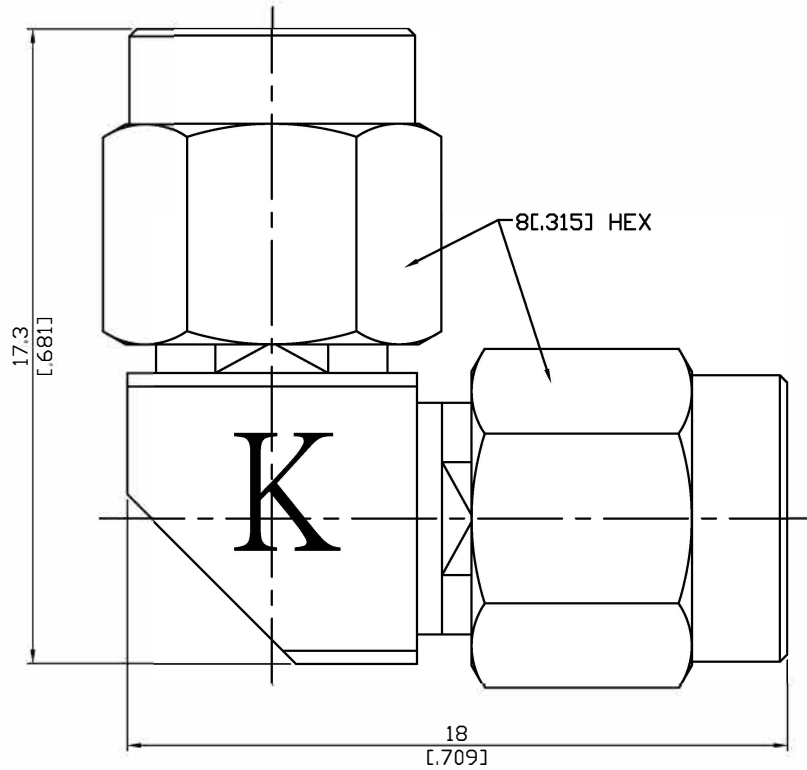


ALS-K3K3-1.1

Mitered 2.92mm Plug To 2.92mm Plug  
40GHz VSWR 1.1

50Ω



| Parts         | Material         | Plating ( Micro-inch )                                |
|---------------|------------------|---|
| Retainer Ring | Brass            | 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.

|   |  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
|---|--|---------------------------|--|---------------------------------|-----------------|------------------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|--|-----------|--------------------------------|-----------|
| ALS-K3K3-1.1  | Mitered 2.92mm Plug To 2.92mm Plug<br>40GHz VSWR 1.1 |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 342 531 392"><b>Interface</b></td> </tr> <tr> <td data-bbox="129 398 790 436">Standard</td> <td data-bbox="790 398 1482 436">MIL-STD-348B</td> </tr> <tr> <td data-bbox="129 443 790 481">Mechanically compatible with</td> <td data-bbox="790 443 1482 481">3.5 &amp; SMA</td> </tr> </table>   |  | <b>Interface</b>          |  | Standard                        | MIL-STD-348B    | Mechanically compatible with | 3.5 & SMA                            |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| <b>Interface</b>  |  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Standard  | MIL-STD-348B   |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Mechanically compatible with  | 3.5 & SMA  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 602 531 651"><b>Electrical Data</b></td> </tr> <tr> <td data-bbox="129 658 790 696">Impedance</td> <td data-bbox="790 658 1482 696">50Ω</td> </tr> <tr> <td data-bbox="129 703 790 741">Frequency Range</td> <td data-bbox="790 703 1482 741">DC to 40GHz</td> </tr> <tr> <td data-bbox="129 748 790 786">VSWR</td> <td data-bbox="790 748 1482 786">≤ 1.1 (DC To 40GHz)</td> </tr> <tr> <td data-bbox="129 792 790 831">Insertion Loss</td> <td data-bbox="790 792 1482 831">≤ 0.05 x √f(GHz) dB</td> </tr> <tr> <td data-bbox="129 837 790 875">Insulation Resistance</td> <td data-bbox="790 837 1482 875">≥ 5000MΩ</td> </tr> <tr> <td data-bbox="129 882 790 920">Dielectric Withstanding Voltage (at sea level)</td> <td data-bbox="790 882 1482 920">750 V rms</td> </tr> <tr> <td data-bbox="129 927 790 965">Working Voltage (at sea level)</td> <td data-bbox="790 927 1482 965">250 V rms</td> </tr> </table> |  | <b>Electrical Data</b>    |  | Impedance                       | 50Ω             | Frequency Range              | DC to 40GHz                          | VSWR                      | ≤ 1.1 (DC To 40GHz)     | Insertion Loss      | ≤ 0.05 x √f(GHz) dB                  | Insulation Resistance | ≥ 5000MΩ  | Dielectric Withstanding Voltage (at sea level) | 750 V rms | Working Voltage (at sea level) | 250 V rms |
| <b>Electrical Data</b>  |  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Impedance   | 50Ω  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Frequency Range   | DC to 40GHz  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| VSWR  | ≤ 1.1 (DC To 40GHz)                                  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Insertion Loss  | ≤ 0.05 x √f(GHz) dB                                  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Insulation Resistance   | ≥ 5000MΩ   |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Dielectric Withstanding Voltage (at sea level)  | 750 V rms  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Working Voltage (at sea level)  | 250 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 790 1193">Recommended Coupling Nut Torque</td> <td data-bbox="790 1155 1482 1193">11.47 in-lbs</td> </tr> <tr> <td data-bbox="129 1200 790 1238">Coupling Proof Torque</td> <td data-bbox="790 1200 1482 1238">15 in-lbs</td> </tr> <tr> <td data-bbox="129 1245 790 1283">Contact Captivation-axial</td> <td data-bbox="790 1245 1482 1283">≥ 4.9 lbs</td> </tr> <tr> <td data-bbox="129 1290 790 1328">Durability (mating)</td> <td data-bbox="790 1290 1482 1328">≥ 500</td> </tr> </table>   |  | <b>Mechanical Data</b>    |  | Recommended Coupling Nut Torque | 11.47 in-lbs    | Coupling Proof Torque        | 15 in-lbs                            | Contact Captivation-axial | ≥ 4.9 lbs               | Durability (mating) | ≥ 500                                |                       |           |  |           |                                |           |
| <b>Mechanical Data</b>  |  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Recommended Coupling Nut Torque   | 11.47 in-lbs   |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Coupling Proof Torque   | 15 in-lbs  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Contact Captivation-axial   | ≥ 4.9 lbs  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| Durability (mating)   | ≥ 500  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 1453 531 1503"><b>Environmental Data</b></td> </tr> <tr> <td data-bbox="129 1509 790 1547">Temperature Range</td> <td data-bbox="790 1509 1482 1547">-55°C to +105°C</td> </tr> <tr> <td data-bbox="129 1554 790 1592">Thermal Shock</td> <td data-bbox="790 1554 1482 1592">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td data-bbox="129 1599 790 1637">Moisture Resistance</td> <td data-bbox="790 1599 1482 1637">MIL-STD-202, Method 206</td> </tr> <tr> <td data-bbox="129 1644 790 1682">Corrosion</td> <td data-bbox="790 1644 1482 1682">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td data-bbox="129 1688 790 1727">RoHS</td> <td data-bbox="790 1688 1482 1727">Compliant</td> </tr> </table>  |  | <b>Environmental Data</b> |  | 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 |  |           |                                |           |
| <b>Environmental Data</b>   |  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |
| 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  |                           |  |                                 |                 |                              |                                      |                           |                         |                     |                                      |                       |           |  |           |                                |           |

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# ALS-K3K3-1.1

