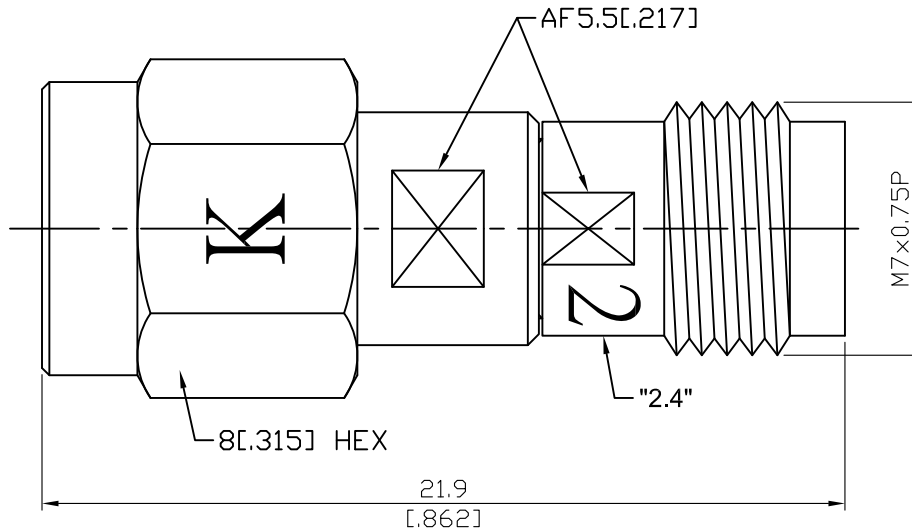


ADS-K3-2.4/8-1.15

2.92mm Plug To 2.4mm Jack
40GHz 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.

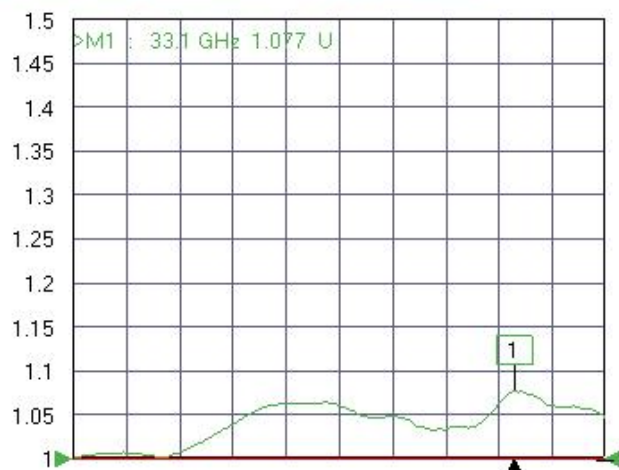
| ADS-K3-2.4/8-1.15 | 2.92mm Plug To 2.4mm Jack 40GHz VSWR 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------|-------------------|-----------------|----------|---------------------------------|--------------------------------------|------------------------------|-----------------------|-------------------------|-----------|---------------------------|--------------------------------------|-----------|-----------------------|-----------|-------|--|-----------|--|--------------------------------|-----------|--|------------|-----------------|--|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> Standard Mechanically compatible with | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">2.4</th> <th style="width: 25%; text-align: center;">2.92</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Standard</td> <td style="text-align: center;">MIL-STD-348B</td> <td style="text-align: center;">MIL-STD-348B</td> </tr> <tr> <td style="text-align: center;">Mechanically compatible with</td> <td style="text-align: center;">1.85</td> <td style="text-align: center;">SMA & 3.5</td> </tr> </tbody> </table> | | 2.4 | 2.92 | Standard | MIL-STD-348B | MIL-STD-348B | Mechanically compatible with | 1.85 | SMA & 3.5 | | | | | | | | | | | | | | | | |
| | 2.4 | 2.92 | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard | MIL-STD-348B | MIL-STD-348B | | | | | | | | | | | | | | | | | | | | | | | | |
| Mechanically compatible with | 1.85 | SMA & 3.5 | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance Frequency Range VSWR Insertion Loss Insulation Resistance Dielectric Withstanding Voltage (at sea level) Working Voltage (at sea level) RF leakage | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;">Impedance</td> <td colspan="2" style="text-align: center;">50Ω</td> </tr> <tr> <td>Frequency Range</td> <td colspan="2" style="text-align: center;">DC To 40GHz</td> </tr> <tr> <td>VSWR</td> <td colspan="2" style="text-align: center;">≤ 1.15 (DC To 40GHz)</td> </tr> <tr> <td>Insertion Loss</td> <td colspan="2" style="text-align: center;">≤ 0.05 x √f(GHz) dB</td> </tr> <tr> <td>Insulation Resistance</td> <td colspan="2" style="text-align: center;">≥ 5000MΩ</td> </tr> <tr> <td>Dielectric Withstanding Voltage (at sea level)</td> <td colspan="2" style="text-align: center;">500 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td colspan="2" style="text-align: center;">150 V rms</td> </tr> <tr> <td>RF leakage</td> <td colspan="2" style="text-align: center;">≥ 100dB to 1GHz</td> </tr> </tbody> </table> | | Impedance | 50Ω | | Frequency Range | DC To 40GHz | | VSWR | ≤ 1.15 (DC To 40GHz) | | Insertion Loss | ≤ 0.05 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 40GHz | | | | | | | | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.15 (DC To 40GHz) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insertion Loss | ≤ 0.05 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 Coupling Proof Torque Contact Captivation-axial Durability (mating) | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">2.4</th> <th style="width: 25%; text-align: center;">2.92</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Recommended Coupling Nut Torque</td> <td style="text-align: center;">7.08 to 9.74 in-lbs</td> <td style="text-align: center;">11.47 in-lbs</td> </tr> <tr> <td style="text-align: center;">Coupling Proof Torque</td> <td style="text-align: center;">15 in-lbs</td> <td style="text-align: center;">15 in-lbs</td> </tr> <tr> <td style="text-align: center;">Contact Captivation-axial</td> <td style="text-align: center;">≥ 4.5 lbs</td> <td style="text-align: center;">≥ 4.9 lbs</td> </tr> <tr> <td style="text-align: center;">Durability (mating)</td> <td style="text-align: center;">≥ 500</td> <td style="text-align: center;">≥ 500</td> </tr> </tbody> </table> | | | 2.4 | 2.92 | Recommended Coupling Nut Torque | 7.08 to 9.74 in-lbs | 11.47 in-lbs | Coupling Proof Torque | 15 in-lbs | 15 in-lbs | Contact Captivation-axial | ≥ 4.5 lbs | ≥ 4.9 lbs | Durability (mating) | ≥ 500 | ≥ 500 | | | | | | | | | |
| | 2.4 | 2.92 | | | | | | | | | | | | | | | | | | | | | | | | |
| Recommended Coupling Nut Torque | 7.08 to 9.74 in-lbs | 11.47 in-lbs | | | | | | | | | | | | | | | | | | | | | | | | |
| Coupling Proof Torque | 15 in-lbs | 15 in-lbs | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact Captivation-axial | ≥ 4.5 lbs | ≥ 4.9 lbs | | | | | | | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 500 | ≥ 500 | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature Range Thermal Shock Moisture Resistance Corrosion RoHS | <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;">Temperature Range</td> <td colspan="2" style="text-align: center;">-55°C to +105°C</td> </tr> <tr> <td>Thermal Shock</td> <td colspan="2" style="text-align: center;">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture Resistance</td> <td colspan="2" style="text-align: center;">MIL-STD-202, Method 206</td> </tr> <tr> <td>Corrosion</td> <td colspan="2" style="text-align: center;">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td colspan="2" style="text-align: center;">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-K3-2.4/8-1.15

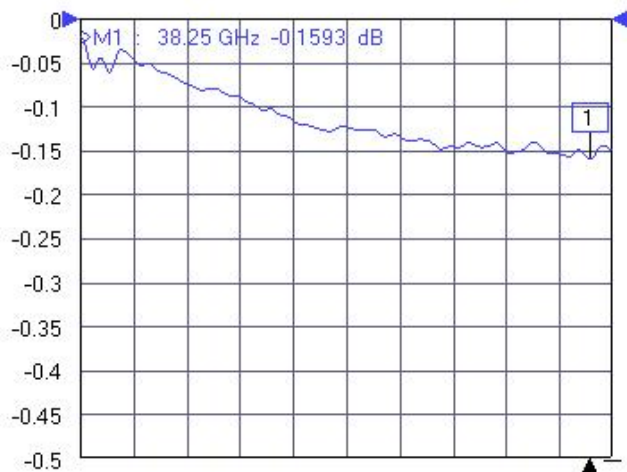
Tr1 S11 Refl SWR RefLvl: 1 U Res: 50 mU/Div



Tr2 S22 Refl SWR RefLvl: 1 U Res: 50 mU/Div



Tr3 S21 Trans LogM RefLvl: 0 dB Res: 0.05 dB/Div



Tr4 S12 Trans LogM RefLvl: 0 dB Res: 0.05 dB/Div



Ch1 TR Start 50 MHz Stop 40 GHz IFBW 10 kHz Avg OFF Measuring State CORR