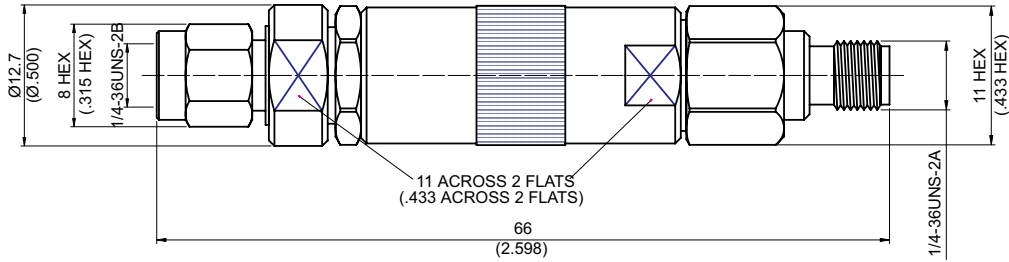


勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力電子(上海) 86-21-34970699
 勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>

PTS-A3A8-18-15*f

18GHz Phase adjustable SMA plug to SMA jack 50Ω
 15°*f(GHz); 18Ghz VSWR 1.4



Typical Phase (Degrees)

| Part Number | 1Ghz | 2Ghz | 3Ghz | 4Ghz | 5Ghz | 6Ghz | 7Ghz | 8Ghz | 9Ghz |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PTS-A3A8-18-15*f | 15° | 30° | 45° | 60° | 75° | 90° | 105° | 120° | 135° |
| | 10Ghz | 11Ghz | 12Ghz | 13Ghz | 14Ghz | 15Ghz | 16Ghz | 17Ghz | 18Ghz |
| | 150° | 165° | 180° | 195° | 210° | 225° | 240° | 255° | 270° |

| Parts | Material | Plating (Micro-inch) |
|----------------|------------------|---|
| Hex Nut | Stainless Steel | Passivated |
| C Ring | Stainless Steel | Passivated |
| Retainer Ring | Beryllium Copper | Tin-Zinc-Copper-Alloy 100 Over Copper 50 |
| Gasket | Silicon | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator | Teflon | |
| Contact Body | Stainless Steel | Passivated |
| Adjustment Nut | Stainless Steel | Passivated |
| Body | Stainless Steel | Passivated |
| Coupling Nut | Stainless Steel | Passivated |

Weight: 40.47 g

| | | | | | | | | | | | | | | | | | |
|---|---|---------------------------|--|--|----------------------------|-----------------------|--------------------------------------|------------------------------|--|---------------------------|--------------------------------------|-----------------------|-----------|---|------------|---------------------------------------|-----------|
| PTS-A3A8-18-15*f | 18GHz Phase adjustable SMA plug to SMA jack 15°*f(GHz); 18Ghz VSWR 1.4 | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 342 531 392">Interface</td> </tr> <tr> <td data-bbox="129 398 766 481">Standard Mechanically compatible with</td> <td data-bbox="766 398 1481 481">MIL-STD-348B 2.92 & 3.5</td> </tr> </table> | | Interface | | Standard Mechanically compatible with | MIL-STD-348B 2.92 & 3.5 | | | | | | | | | | | | |
| Interface | | | | | | | | | | | | | | | | | |
| Standard Mechanically compatible with | MIL-STD-348B 2.92 & 3.5 | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 602 531 651">Electrical Data</td> </tr> <tr> <td data-bbox="129 658 766 694">Impedance</td> <td data-bbox="766 658 1481 694">50Ω</td> </tr> <tr> <td data-bbox="129 701 766 739">Frequency Range</td> <td data-bbox="766 701 1481 739">DC To 18GHz</td> </tr> <tr> <td data-bbox="129 745 766 824">VSWR</td> <td data-bbox="766 745 1481 824">≤1.15(DC to 6GHz); ≤1.25 (6 to 12GHz); ≤1.4 (12 to 18GHz)</td> </tr> <tr> <td data-bbox="129 831 766 866">Insertion Loss</td> <td data-bbox="766 831 1481 866">≤0.5 dB</td> </tr> <tr> <td data-bbox="129 873 766 909">Insulation Resistance</td> <td data-bbox="766 873 1481 909">≥5000MΩ</td> </tr> <tr> <td data-bbox="129 916 766 952">Dielectric Withstanding Voltage (at sea</td> <td data-bbox="766 916 1481 952">1500 V rms</td> </tr> <tr> <td data-bbox="129 958 766 1037">level) Working Voltage (at sea level)</td> <td data-bbox="766 958 1481 1037">500 V rms</td> </tr> </table> | | Electrical Data | | Impedance | 50Ω | Frequency Range | DC To 18GHz | VSWR | ≤1.15(DC to 6GHz); ≤1.25 (6 to 12GHz); ≤1.4 (12 to 18GHz) | Insertion Loss | ≤0.5 dB | Insulation Resistance | ≥5000MΩ | Dielectric Withstanding Voltage (at sea | 1500 V rms | level) Working Voltage (at sea level) | 500 V rms |
| Electrical Data | | | | | | | | | | | | | | | | | |
| Impedance | 50Ω | | | | | | | | | | | | | | | | |
| Frequency Range | DC To 18GHz | | | | | | | | | | | | | | | | |
| VSWR | ≤1.15(DC to 6GHz); ≤1.25 (6 to 12GHz); ≤1.4 (12 to 18GHz) | | | | | | | | | | | | | | | | |
| Insertion Loss | ≤0.5 dB | | | | | | | | | | | | | | | | |
| Insulation Resistance | ≥5000MΩ | | | | | | | | | | | | | | | | |
| Dielectric Withstanding Voltage (at sea | 1500 V rms | | | | | | | | | | | | | | | | |
| level) Working Voltage (at sea level) | 500 V rms | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 1099 531 1149">Mechanical Data</td> </tr> <tr> <td data-bbox="129 1155 766 1191">Recommended Coupling Nut Torque</td> <td data-bbox="766 1155 1481 1191">7 to 9.5 in-lbs</td> </tr> <tr> <td data-bbox="129 1198 766 1234">Coupling Proof Torque</td> <td data-bbox="766 1198 1481 1234">15 in-lbs</td> </tr> <tr> <td data-bbox="129 1240 766 1276">Coupling Nut Retention Force</td> <td data-bbox="766 1240 1481 1276">≥60.7 lbs</td> </tr> <tr> <td data-bbox="129 1283 766 1319">Contact Captivation-axial</td> <td data-bbox="766 1283 1481 1319">≥6.1 lbs</td> </tr> <tr> <td data-bbox="129 1326 766 1361">Durability (mating)</td> <td data-bbox="766 1326 1481 1361">≥500</td> </tr> </table> | | Mechanical Data | | Recommended Coupling Nut Torque | 7 to 9.5 in-lbs | Coupling Proof Torque | 15 in-lbs | Coupling Nut Retention Force | ≥60.7 lbs | Contact Captivation-axial | ≥6.1 lbs | Durability (mating) | ≥500 | | | | |
| Mechanical Data | | | | | | | | | | | | | | | | | |
| Recommended Coupling Nut Torque | 7 to 9.5 in-lbs | | | | | | | | | | | | | | | | |
| Coupling Proof Torque | 15 in-lbs | | | | | | | | | | | | | | | | |
| Coupling Nut Retention Force | ≥60.7 lbs | | | | | | | | | | | | | | | | |
| Contact Captivation-axial | ≥6.1 lbs | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥500 | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td colspan="2" data-bbox="129 1503 531 1552">Environmental Data</td> </tr> <tr> <td data-bbox="129 1559 766 1594">Temperature Range</td> <td data-bbox="766 1559 1481 1594">-65°C to +165°C</td> </tr> <tr> <td data-bbox="129 1601 766 1637">Thermal Shock</td> <td data-bbox="766 1601 1481 1637">MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td data-bbox="129 1644 766 1680">Moisture Resistance</td> <td data-bbox="766 1644 1481 1680">MIL-STD-202, Method 206</td> </tr> <tr> <td data-bbox="129 1686 766 1722">Corrosion</td> <td data-bbox="766 1686 1481 1722">MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td data-bbox="129 1729 766 1765">RoHS</td> <td data-bbox="766 1729 1481 1765">Compliant</td> </tr> </table> | | Environmental Data | | 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 | | | | |
| Environmental Data | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | |

PHASE TRIMMER INSTRUCTION

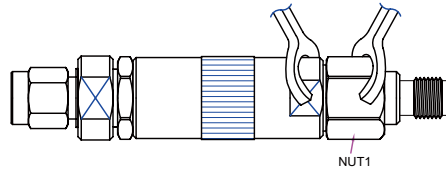
PTS-A3A8-18-15*f

JYE BAO CO., LTD.

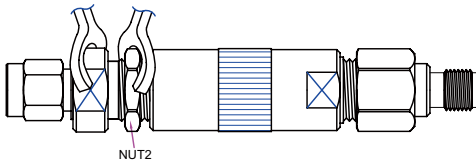


DIAGRAM

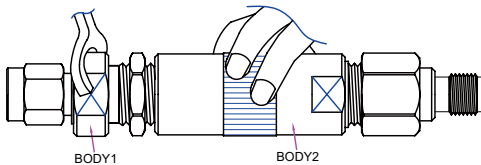
PHASE TRIMMER INSTRUCTIONS



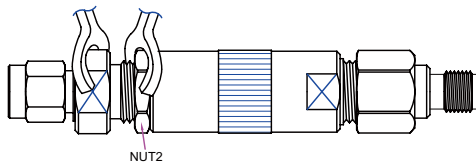
Step 1: LOOSEN NUT1 BEFORE ADJUSTING PHASE.
USE SPANNER SIZE 11MM. (JYEBAO P/N: 11.0-13.0)



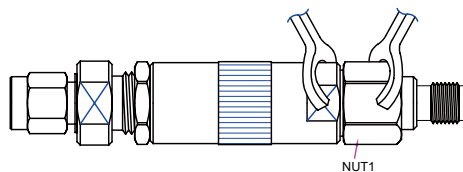
Step 2: LOOSEN NUT2 BEFORE ADJUSTING PHASE.
USE SPANNER SIZE 11MM. (JYEBAO P/N: 11.0-13.0)



Step 3: ADJUST TO THE REQUIRED PHASE: KEEP BODY1
IN A FIXED POSITION AND ADJUST PHASE BY
MANUALLY TURNING BODY2.



Step 4: TIGHTEN NUT2 AFTER ADJUSTING PHASE.
USE SPANNER SIZE 11MM. (JYEBAO P/N: 11.0-13.0)



Step 5: TIGHTEN NUT1 AFTER ADJUSTING PHASE.
USE SPANNER SIZE 11MM. (JYEBAO P/N: 11.0-13.0)