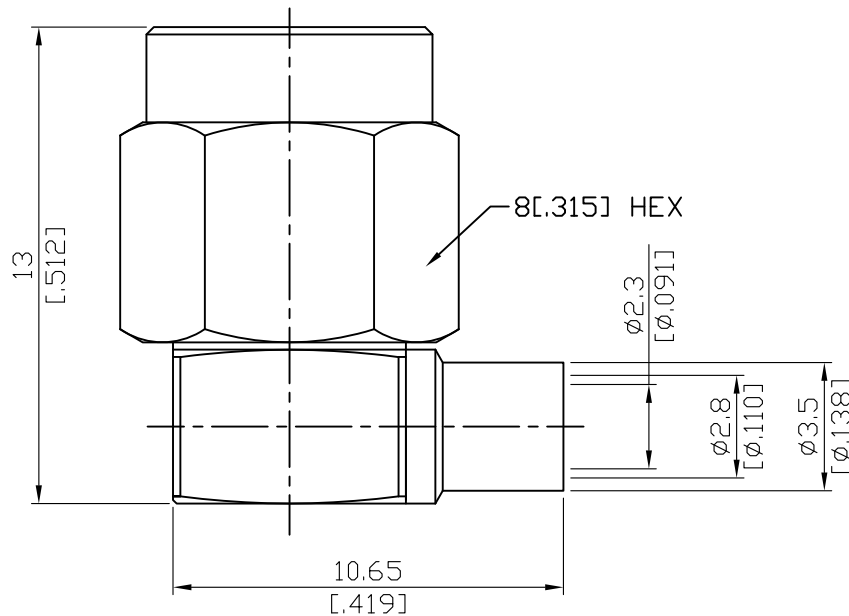


SMA33NPC-9405

SMA Plug Solder Right Angle  
For Flexible RG405; 18GHz VSWR 1.2\*

50Ω



\*Using 5002

| Parts         | Material         | Plating ( Micro-inch )                                |
|---------------|------------------|-------------------------------------------------------|
| Retainer Ring | Beryllium Copper | 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          | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Coupling Nut  | Stainless Steel  | Passivated                                            |
| Ferrule       | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Cover         | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |

Suitable Cables: 5002;5002LD; SS405; Multiflex86; T-flex405; .085SRF-W-P-50-F

This part number complies with RoHS.

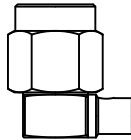
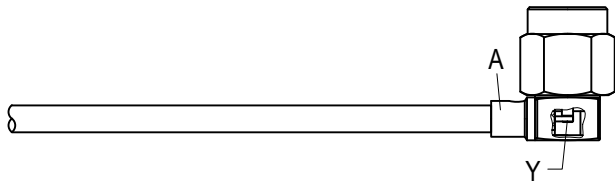
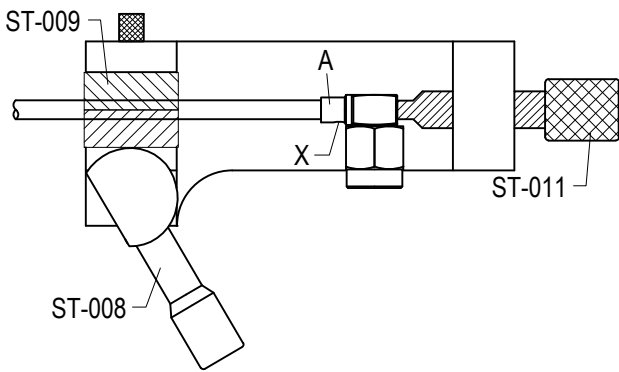
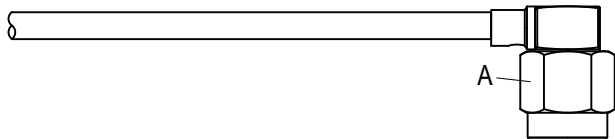
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SMA                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SMA33NPC-9405 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <div>Interface</div> MIL-STD-348B<br>Mechanically compatible with 2.92 & 3.5                                                                                                                                                                                                                                                                                                                                                                               |               |
| <div>Electrical Data</div> Impedance 50Ω<br>Frequency range DC to 18GHz<br>VSWR $\leq 1.2$ (DC to 18GHz)<br>Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB<br>Insulation resistance $\geq 5000\text{M}\Omega$<br>Contact resistance inner conductor $\leq 3\text{m}\Omega$<br>Contact resistance outer conductor $\leq 2\text{m}\Omega$<br>Dielectric withstanding voltage (at sea level) 750 V rms<br>Working voltage (at sea level) 250 V rms |               |
| <div>Mechanical Date</div> Recommended coupling nut torque 4 inch lbs<br>Coupling proof torque 5.3 inch lbs<br>Coupling nut retention force $\geq 60.7$ lbs<br>Contact Captivation-axial $\geq 6.1$ lbs<br>Durability (mating) $\geq 100$                                                                                                                                                                                                                  |               |
| <div>Environmental Data</div> Temperature range -65°C to +165°C<br>Thermal shock MIL-STD-202, Method 107, Condition B<br>Moisture resistance MIL-STD-202, Method 106<br>Corrosion MIL-STD-202, Method 101, Condition B<br>RoHS Compliant                                                                                                                                                                                                                   |               |
| <div>Tooling</div> Soldering fixture ST-008<br>Insert for .085inch semi-rigid cable ST-009<br>Locator tool ST-011                                                                                                                                                                                                                                                                                                                                          |               |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                                                                                                                                                                                                                                                                                        |  |         |                                                                                                                                     |         |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|-------------------------------------------------------------------------------------------------------------------------------------|---------|---|
| SMA33NPC-9405                                                                                                                                                                                                                                                                                                                                                                          |  | DATE    | 2016/12/05                                                                                                                          | REV     | - |
| <div><div>A</div><div>B</div><div>C</div><div></div><div></div><div></div><div>BODY</div><div>FERRULE</div><div>COVER</div></div> |  |         |                                                                                                                                     |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                                                                                                                                |  |         | ASSEMBLY INSTRUCTION                                                                                                                |         |   |
|                                                                                                                                                                                                                                                                                                       |  |         | Step 1: STRIP AS SHOWN.                                                                                                             |         |   |
|                                                                                                                                                                                                                                                                                                     |  |         | Step 2: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".                                           |         |   |
|                                                                                                                                                                                                                                                                                                     |  |         | Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ". |         |   |
| <div><div>FORCE</div><div>JIG</div><div>C</div><div>B</div></div>                                                                                                                                                                                                                                   |  |         | Step 4: PRESS ON THE TOP OF " C " AND " B " WITH JIGS.                                                                              |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate.                                                                                                                                                                                                                                                                    |  |         |                                                                                                                                     |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                               |  | CHECKED |                                                                                                                                     | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                        |  |         |                                                                                                                                     | Albert  |   |

# SMA33NPC-9405

