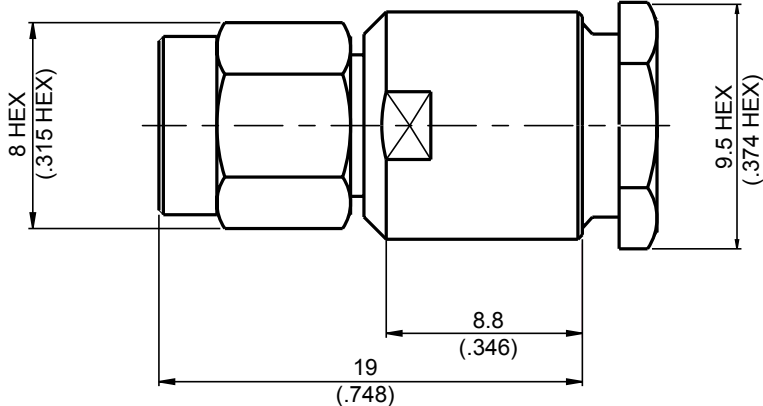


|                                                                                     |                                                                       |                                                       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------|
| SMA3200-0142                                                                        | SMA plug clamp For RG58,RG142,RG400,<br>JBY195,LMR195; 9GHz VSWR 1.25 | 50Ω                                                   |
|  |                                                                       |                                                       |
| Parts                                                                               | Material                                                              | Plating (Micro-inch)                                  |
| Nut                                                                                 | Brass                                                                 | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Washer                                                                              | Brass                                                                 | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Top Hat                                                                             | Brass                                                                 | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Pin                                                                         | Brass                                                                 | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Renbrock Ring                                                                       | Beryllium Copper                                                      | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Gasket                                                                              | Silicon                                                               |                                                       |
| Insulator                                                                           | Teflon                                                                |                                                       |
| Body                                                                                | Brass                                                                 | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Coupling Nut                                                                        | Brass                                                                 | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Weight: 6.68 g<br>Suitable Cables: RG55, RG58, RG142, RG400, JBY195                 |                                                                       |                                                       |

This part number complies with RoHS.

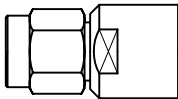
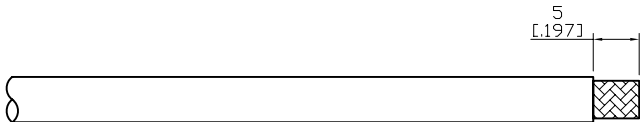
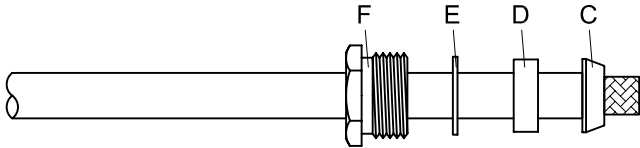
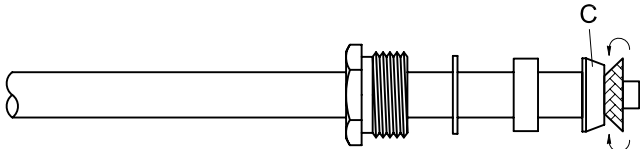
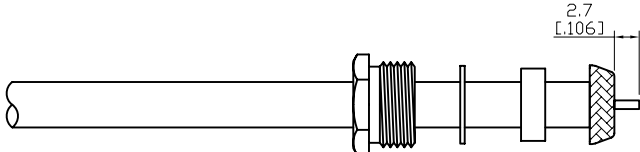
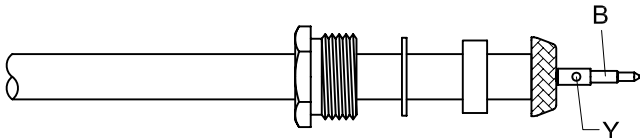
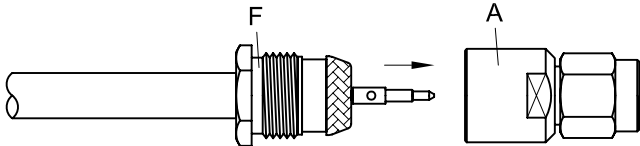
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SMA                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SMA3200-0142 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <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 9GHz<br>VSWR $\leq 1.25$ (DC to 9GHz)<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) 1000 V rms<br>Working voltage (at sea level) 335 V rms |              |
| <div>Mechanical Data</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>                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |

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# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| SMA3200-0142                                                                                                        |                                                                                   |                                                                                   | DATE                                                                                | 2016/01/15                                                                          | REV                                                                                 | — |
| A                                                                                                                   | B                                                                                 | C                                                                                 | D                                                                                   | E                                                                                   | F                                                                                   |   |
|                                    |  |  |   |  |  |   |
| BODY                                                                                                                | CONTACT PIN                                                                       | TOP HAT                                                                           | GASKET                                                                              | WASHER                                                                              | NUT                                                                                 |   |
| DIAGRAM                                                                                                             |                                                                                   |                                                                                   | ASSEMBLY INSTRUCTION                                                                |                                                                                     |                                                                                     |   |
|                                    |                                                                                   |                                                                                   | Step 1: STRIP AS SHOWN.                                                             |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 2: SLIDE NUT " F " 、 WASHER " E " 、 GASKET " D " AND TOP HAT " C " OVER CABLE. |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 3: WRAP THE BRAIDING OVER " C " .                                              |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 4: STRIP AS SHOWN.                                                             |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 5: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y " .             |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 6: FINALLY SCREW " F " ON THE CONNECTOR BODY " A " .                           |                                                                                     |                                                                                     |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate. |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |   |
| APPROVED                                                                                                            |                                                                                   | CHECKED                                                                           |                                                                                     | DRAWING                                                                             |                                                                                     |   |
|                                                                                                                     |                                                                                   |                                                                                   |                                                                                     | Albert                                                                              |                                                                                     |   |

# SMA3200-0142

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