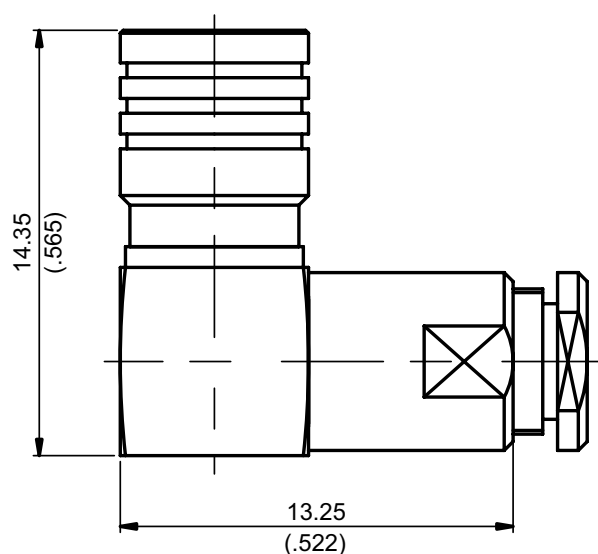


SMB3200-9316

**SMB Plug Clamp Right Angle**  
For RG174,RG188,RG316; 4GHz VSWR 1.2 **50Ω**



| Parts         | Material         | Plating (Micro-inch)                                  |
|---------------|------------------|-------------------------------------------------------|
| Nut           | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Top Hat       | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Cover         | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Gasket        | Silicon          |                                                       |
| Washer        | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Retainer Ring | Beryllium Copper | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Pin   | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator     | Teflon           |                                                       |
| Body          | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |

Weight: 3.83 g

Suitable Cables: RG174,RG188,RG316,RG316-FEP

**This part number complies with RoHS.**

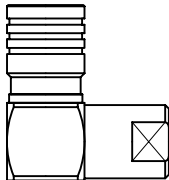
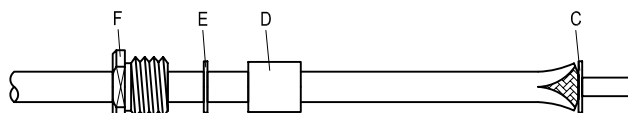
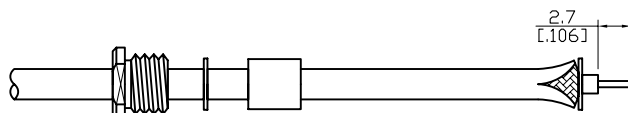
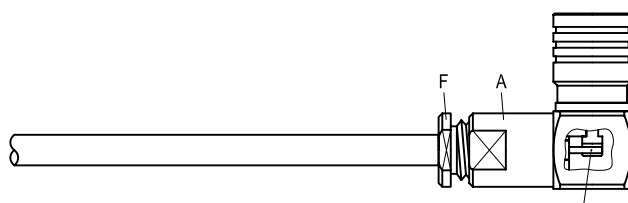
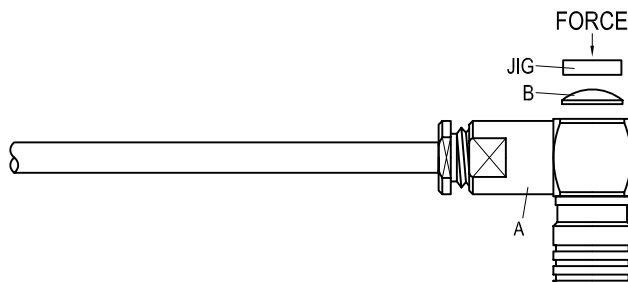
**Notice: JYEBAO reserves the right to make modifications deemed appropriate.**

| SMB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SMB3200-9316 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div>Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with SMS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| <div>Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 4GHz</p> <p>VSWR <math>\leq 1.2</math> (DC to 4GHz)</p> <p>Insertion loss <math>\leq 0.1 \times \sqrt{f(\text{GHz})}</math> dB</p> <p>Insulation resistance <math>\geq 10000\text{M}\Omega</math></p> <p>Contact resistance inner conductor <math>\leq 5\text{m}\Omega</math></p> <p>Contact resistance outer conductor <math>\leq 2.5\text{m}\Omega</math></p> <p>Dielectric withstanding voltage (at sea level) 1000 V rms</p> <p>Working Voltage (at sea level) 335 V rms</p> |              |
| <div>Mechanical Data</div> <p>Disengagement force 1.8 to 14.2 lbs</p> <p>Engagement force 1.8 to 14.2 lbs</p> <p>Contact captivation-axial <math>\geq 4</math> lbs</p> <p>Durability (mating) <math>\geq 500</math></p>                                                                                                                                                                                                                                                                                                                                   |              |
| <div>Environmental Data</div> <p>Temperature range -65°C to +165°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 106</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>                                                                                                                                                                                                                                                                                           |              |
| <div>Tooling</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |

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# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |                                                                                   |                                                                                   |                                                                                                                                                          |                                                                                     |                                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| SMB3200-9316                                                                                                        |                                                                                   |                                                                                   | DATE                                                                                                                                                     | 2016/08/22                                                                          | REV                                                                                 | — |
| A                                                                                                                   | B                                                                                 | C                                                                                 | D                                                                                                                                                        | E                                                                                   | F                                                                                   |   |
|                                    |  |  |                                                                         |  |  |   |
| BODY                                                                                                                | COVER                                                                             | TOP HAT                                                                           | GASKET                                                                                                                                                   | WASHER                                                                              | NUT                                                                                 |   |
| DIAGRAM                                                                                                             |                                                                                   |                                                                                   | ASSEMBLY INSTRUCTION                                                                                                                                     |                                                                                     |                                                                                     |   |
|                                    |                                                                                   |                                                                                   | Step 1: STRIP AS SHOWN.                                                                                                                                  |                                                                                     |                                                                                     |   |
|                                   |                                                                                   |                                                                                   | Step 2: MAKE A 3.3MM LONG CUT IN THE JACKET WITHOUT DAMAGING THE BRAIDING.                                                                               |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 3: SLIDE NUT " F " 、 WASHER " E " AND GASKET " D " OVER CABLE .<br>Step 4: LOOSEN BRAIDING AND SLIDE TOP HAT " C " BETWEEN DIELECTRIC AND BRAIDING. |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 5: STRIP AS SHOWN.                                                                                                                                  |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 6: SCREW NUT " F " ON THE CONNECTOR BODY " A " AND SOLDER IN " Y ".                                                                                 |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 7: PRESS ON THE TOP OF " B " WITH JIGS.                                                                                                             |                                                                                     |                                                                                     |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate. |                                                                                   |                                                                                   |                                                                                                                                                          |                                                                                     |                                                                                     |   |
| APPROVED                                                                                                            |                                                                                   | CHECKED                                                                           |                                                                                                                                                          | DRAWING                                                                             |                                                                                     |   |
|                                                                                                                     |                                                                                   |                                                                                   |                                                                                                                                                          | Albert                                                                              |                                                                                     |   |

# SMB3200-9316

S11

