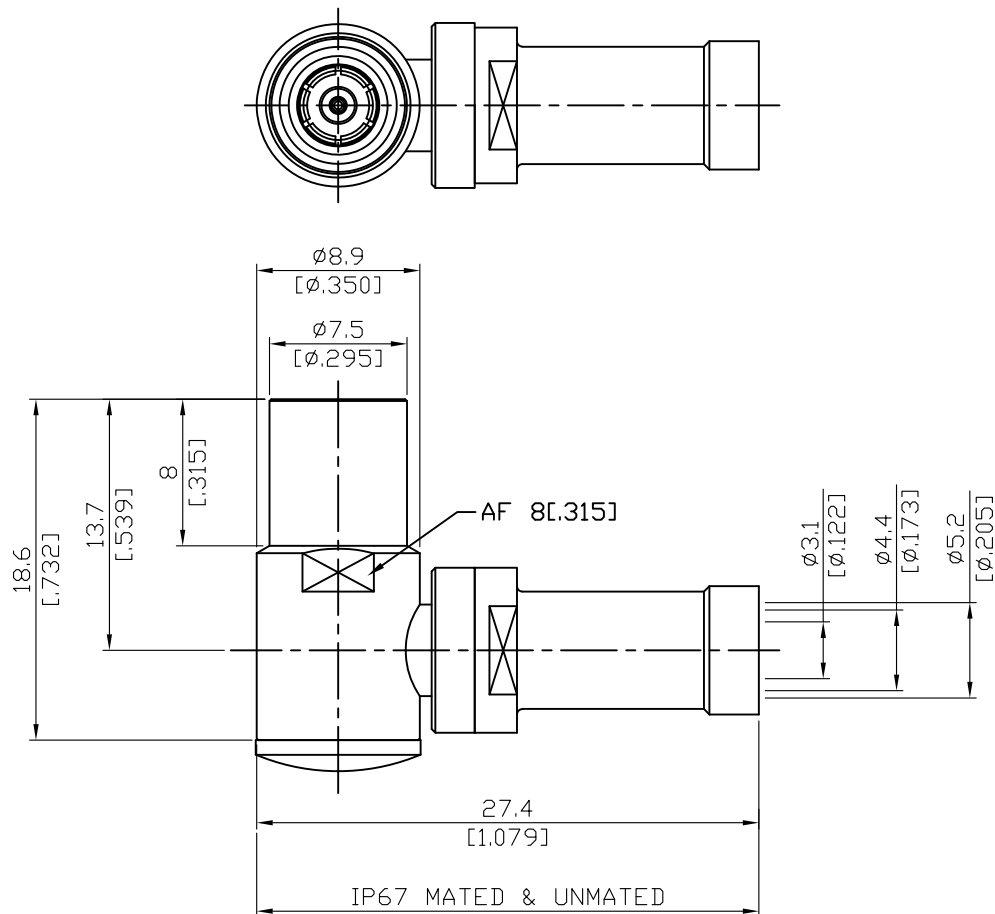


SMB3100-9058/IP67

SMB Plug Crimp Right Angle For RG58, JBY195 ,LMR195  
IP67 Mated& Unmated; 1.5GHz VSWR 1.25

50Ω



| Parts       | Material         | Plating ( Micro-inch )                                |
|-------------|------------------|-------------------------------------------------------|
| Body        | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator   | Teflon           |                                                       |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Nut         | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Ferrule     | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Gasket      | Silicone         |                                                       |

Suitable Cables: RG58, JBY195 ,LMR195

This part number complies with RoHS.

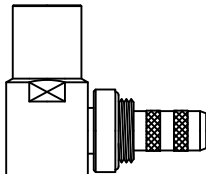
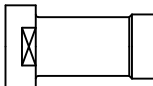
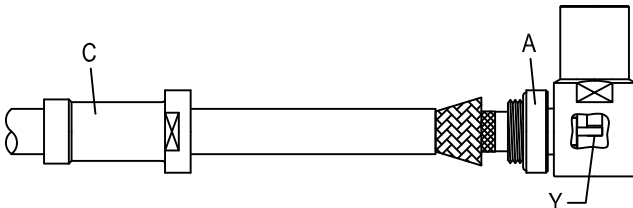
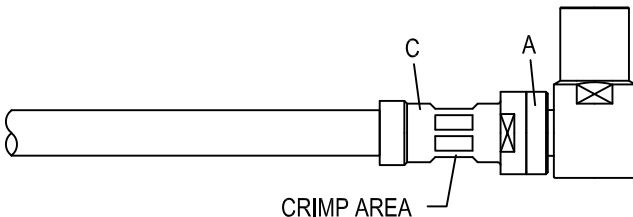
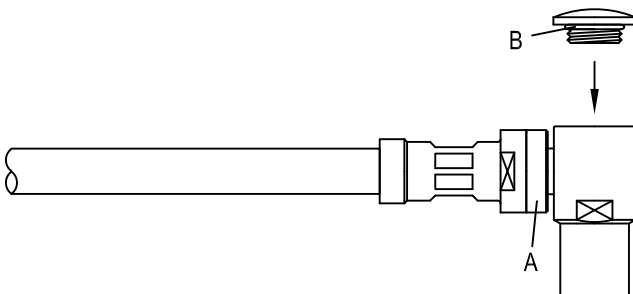
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SMB                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SMB3100-9058/IP67 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <div>Interface</div> MIL-STD-348B<br>Mechanically compatible with SMS                                                                                                                                                                                                                                                                                                                                                                                            |                   |
| <div>Electrical Data</div> Impedance 50Ω<br>Frequency range DC to 1.5GHz<br>VSWR $\leq 1.25$ (DC to 1.5GHz)<br>Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB<br>Insulation resistance $\geq 10000\text{M}\Omega$<br>Contact resistance inner conductor $\leq 5\text{m}\Omega$<br>Contact resistance outer conductor $\leq 2.5\text{m}\Omega$<br>Dielectric withstanding voltage (at sea level) 1000 V rms<br>Working Voltage (at sea level) 335 V rms |                   |
| <div>Mechanical Data</div> Disengagement force 1.8 to 14.2 lbs<br>Engagement force 1.8 to 14.2 lbs<br>Contact captivation-axial $\geq 4$ lbs<br>Durability (mating) $\geq 500$                                                                                                                                                                                                                                                                                   |                   |
| <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> Crimping tool CRT-1 or CRT-2<br>Crimp insert INSERT-B4                                                                                                                                                                                                                                                                                                                                                                                        |                   |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |  |                                                                                   |                                                                                                                                                                                                                                                                  |                                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| SMB3100-9058/IP67                                                                                                   |  | DATE                                                                              | 2019/05/14                                                                                                                                                                                                                                                       | REV                                                                                 | — |
| A                                                                                                                   |  | B                                                                                 |                                                                                                                                                                                                                                                                  | C                                                                                   |   |
|                                    |  |  |                                                                                                                                                                                                                                                                  |  |   |
| BODY                                                                                                                |  | COVER<br>+ GASKET                                                                 |                                                                                                                                                                                                                                                                  | FERRULE<br>+ GASKET                                                                 |   |
| DIAGRAM                                                                                                             |  |                                                                                   | ASSEMBLY INSTRUCTION                                                                                                                                                                                                                                             |                                                                                     |   |
|                                    |  |                                                                                   | Step 1: STRIP AS SHOWN.                                                                                                                                                                                                                                          |                                                                                     |   |
|                                  |  |                                                                                   | Step 2: SLIDE FERRULE " C " OVER CABLE.<br>Step 3: WRAP THE BRAIDING UPWARDS.<br>Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".                                                                                       |                                                                                     |   |
|                                  |  |                                                                                   | Step 5: SCREW FERRULE " C " ON THE CONNECTOR BODY " A " AND CRIMP.<br>(USE 5.5mm/0.217inch HEX SECTION OF INSERT-B4)<br><br>※ CRIMP THE FERRULE CLOSE TO CONNECTOR BODY.<br> |                                                                                     |   |
|                                  |  |                                                                                   | Step 6: FINALLY SCREW COVER " B " 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                                                                              |   |

# SMB3100-9058/IP67

