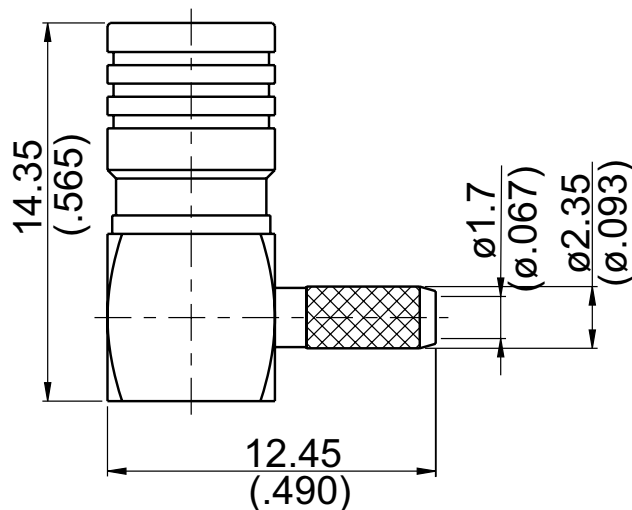


SMB3100-9L100

SMB Plug Crimp Right Angle
For JBY100, LMR100; 4GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Cover	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Ferrule	Brass	Gold 4 Over Nickel Phosphorous 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 Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Coupling Nut	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20

Weight: 3.1 g

Suitable Cables: JBY100; LMR100

This part number complies with RoHS.

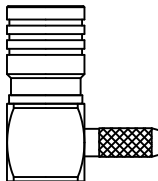
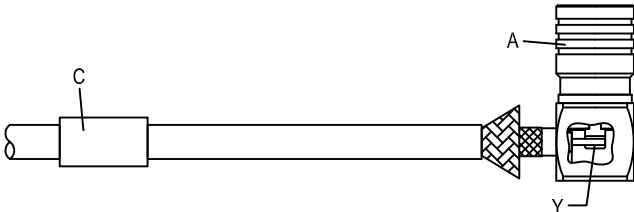
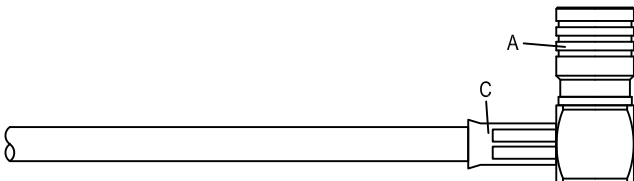
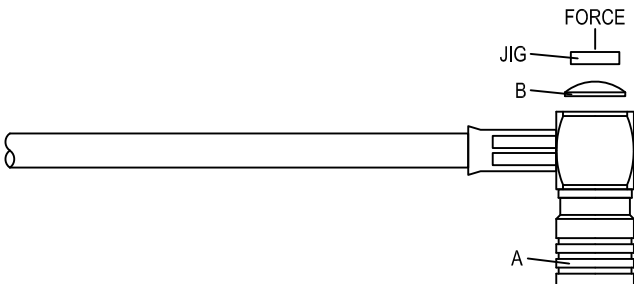
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMB	SMB3100-9L100
Interface MIL-STD-348B Mechanically compatible with SMS	
Electrical Data Impedance 50Ω Frequency range DC to 4GHz VSWR ≤ 1.2 (DC to 4GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 5\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000 V rms Working Voltage (at sea level) 335 V rms	
Mechanical Data Disengagement force 1.8 to 14.2 lbs Engagement force 1.8 to 14.2 lbs Contact captivation-axial ≥ 4 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -65°C to +165°C Thermal shock MIL-STD-202, Method 107, Condition B Moisture resistance MIL-STD-202, Method 106 Corrosion MIL-STD-202, Method 101, Condition B RoHS Compliant	
Tooling Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-A	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMB3100-9L100		DATE	2016/08/22	REV	—
A  BODY B  COVER C  FERRULE					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: WRAP THE BRAIDING UPWARDS. Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)		
			Step 6: PRESS ON THE TOP OF " B " WITH JIGS.		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMB3100-9L100

S11

