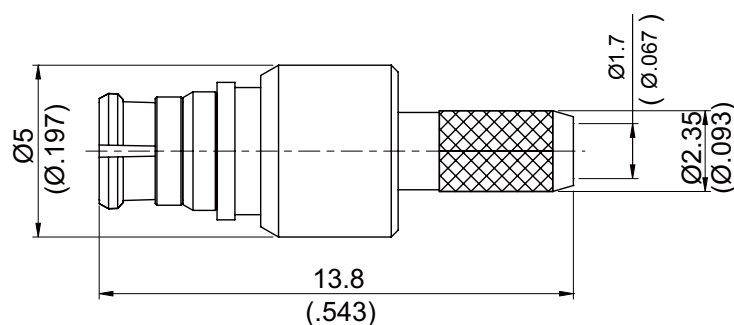


SMP8100-L100

SMP Jack Crimp Right Angle
For JBY100, LMR100; 6GHz VSWR1.2

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper
Retainer Ring	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper
Contact Pin	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper
Contact Body	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper

Suitable Cables: JBY100, LMR100

This part number complies with RoHS.

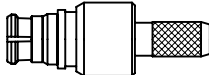
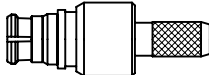
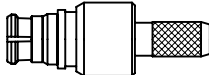
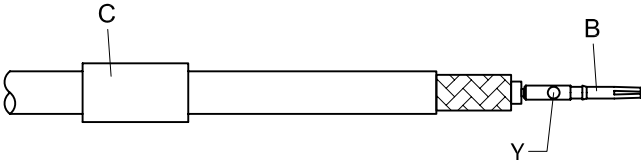
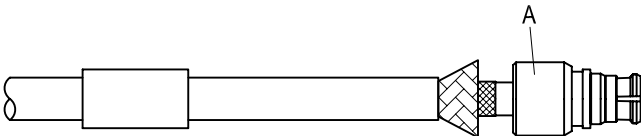
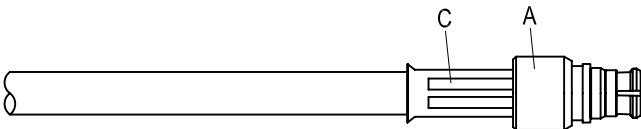
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMP		SMP8100-L100			
Interface					
MIL-STD-348B					
Electrical Data					
Impedance		50Ω			
Frequency range		DC to 6GHz			
VSWR		≤ 1.2 (DC to 6GHz)			
Insertion loss		≤ .06 x √f(GHz) dB			
Insulation resistance		≥ 5000 MΩ			
Contact resistance inner conductor		≤ 6mΩ			
Contact resistance outer conductor		≤ 2mΩ			
Dielectric withstanding voltage (at sea level)		500			
Working Voltage (at sea level)		335			
RF-Leakage		≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz)			
Mechanical Data					
		Full Detent	Limited Detent	Smooth bore & catchers mit	
Engagement force		≤ 15	≤ 10	≤ 2	lbs
Disengagement force		≥ 5	≥ 2	≥ 0.5	lbs
Durability (mating)		≥ 100	≥ 500	≥ 1000	
Axial misalignment		+ 0.00 / -0.25 (+.000 / -.010)			
Radial misalignment		±0.25 (0.010)			
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

SMP8100-L100		DATE		REV	—									
<table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td></td><td></td><td></td></tr><tr><td>BODY</td><td>CONTACT PIN</td><td>FERRULE</td></tr></table>						A	B	C				BODY	CONTACT PIN	FERRULE
A	B	C												
														
BODY	CONTACT PIN	FERRULE												
DIAGRAM			ASSEMBLY INSTRUCTION											
			Step 1: STRIP AS SHOWN.											
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)											
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.											
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)											
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.														
APPROVED		CHECKED		DRAWING										
				Albert										

SMP8100-L100

S11

