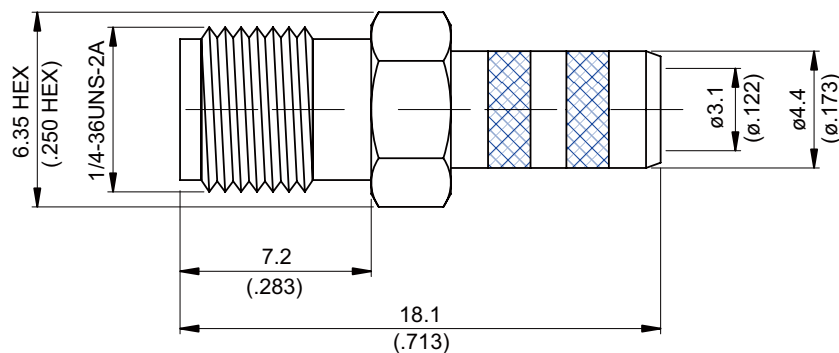


SMA9100-L200

SMA Jack Reverse Polarity Crimp
For JBY200, LMR200; 6GHz VSWR 1.25 50Ω



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

Suitable Cables: JBY200, LMR200

This part number complies with RoHS.

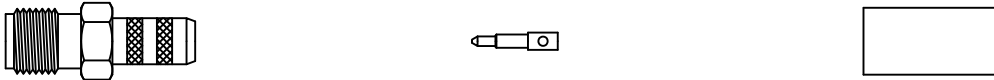
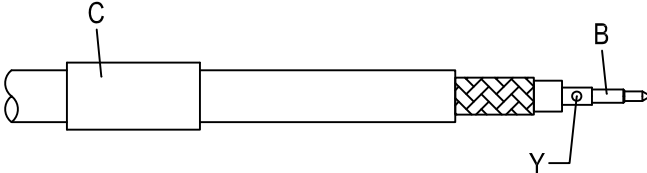
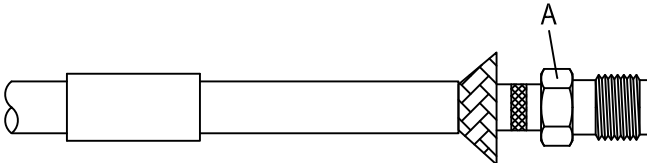
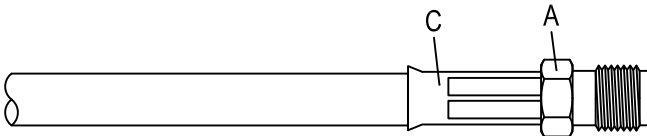
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA9100-L200
Interface Per JYEBAO SMA Reverse Polarity derived from MIL-STD-348B	
Electrical Data	
Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≤ 1.25 (DC to 6GHz)
Insertion loss	$\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 5000\text{M}\Omega$
Contact resistance inner conductor	$\leq 3\text{m}\Omega$
Contact resistance outer conductor	$\leq 2\text{m}\Omega$
Dielectric withstanding voltage (at sea level)	1000 V rms
Working voltage (at sea level)	335 V rms
Mechanical Data	
Recommended coupling nut torque	4 inch lbs
Coupling proof torque	5.3 inch lbs
Contact Captivation-axial	≥ 6.1 lbs
Durability (mating)	≥ 100
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-B

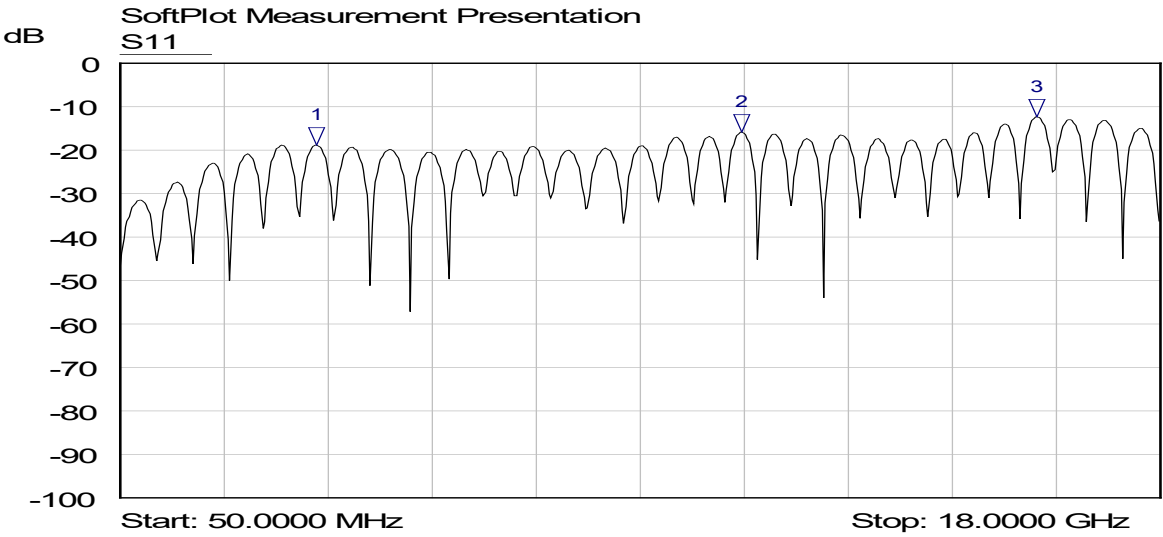
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA9100-L200		DATE	2015/12/15	REV	—
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 IN " Y ".		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA9100L-L200



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S11	3.4375 GHz	-18.79 dB	
2 ▾	S11	10.7820 GHz	-15.87 dB	
3 ▾	S11	15.8783 GHz	-12.32 dB	