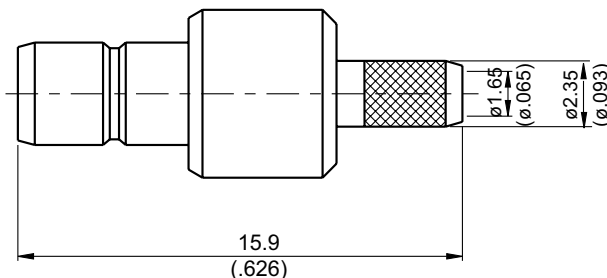


SMB8100-0179	SMB jack crimp for RG179; 0.8GHz VSWR 1.3	75Ω																		
																				
NOTE: 75Ω MINI-SMB INTERFACE																				
<table><tr><th>Parts</th></tr><tr><td>Ferrule</td></tr><tr><td>Contact Pin</td></tr><tr><td>Insulator</td></tr><tr><td>Barrel</td></tr><tr><td>Body</td></tr></table>	Parts	Ferrule	Contact Pin	Insulator	Barrel	Body	<table><tr><th>Material</th></tr><tr><td>Brass</td></tr><tr><td>Brass</td></tr><tr><td>Teflon</td></tr><tr><td>Brass</td></tr><tr><td>Brass</td></tr></table>	Material	Brass	Brass	Teflon	Brass	Brass	<table><tr><th>Plating (Micro-inch)</th></tr><tr><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td></td></tr><tr><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr></table>	Plating (Micro-inch)	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20		Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
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Weight: 1.68 g Suitable Cables: RG179, RG179-FEP																				

This part number complies with RoHS.

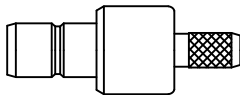
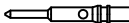
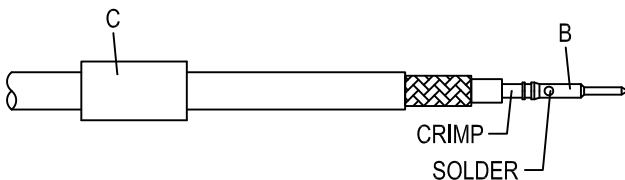
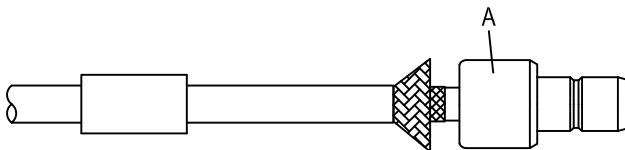
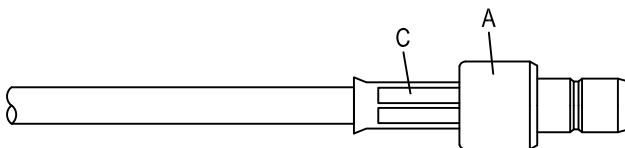
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMB	SMB8100-0179
Electrical Data	
Impedance	75Ω
Frequency range	DC to 0.8GHz
VSWR	≤1.3 (DC to 0.8GHz)
Insertion loss	≤0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥10000MΩ
Contact resistance inner conductor	≤5mΩ
Contact resistance outer conductor	≤2.5mΩ
Dielectric withstanding voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 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

SMB8100-0179		DATE	2017/03/27	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 OR CRIMP. (USE SQUARE 0.70mm/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	

SMB8100-0179

S11

