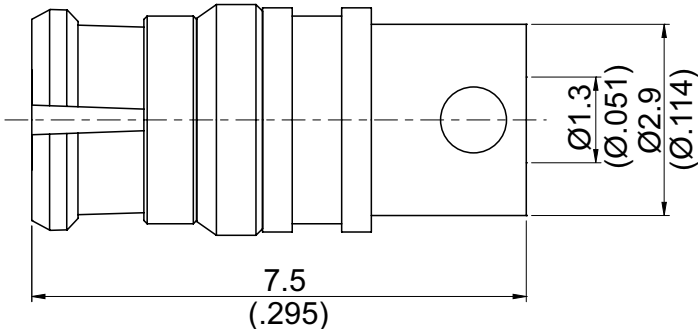


SMP8300-0047	SMP Jack Solder For .047 semi-rigid 18GHz VSWR1.25; 23GHz VSWR 1.3	50Ω															
																	
<table border="1"> <thead> <tr> <th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr> </thead> <tbody> <tr> <td>Renber Ring</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> <tr> <td>Contact Pin</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> <tr> <td>Insulator</td><td>Teflon</td><td></td></tr> <tr> <td>Body</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> </tbody> </table>	Parts	Material	Plating (Micro-inch)	Renber Ring	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Contact Pin	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Insulator	Teflon		Body	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20		
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Insulator	Teflon																
Body	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20															
Weight:																	
Suitable Cables:Semi-rigid.047																	

This part number complies with RoHS.

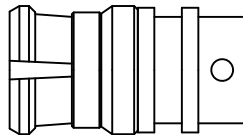
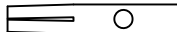
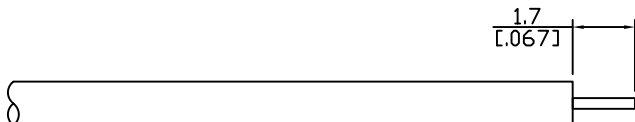
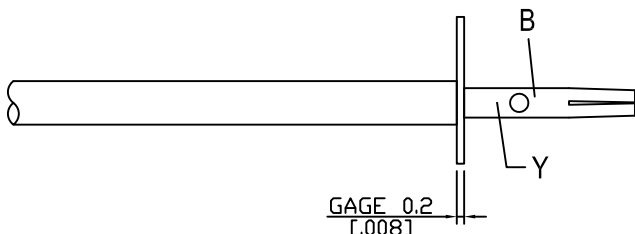
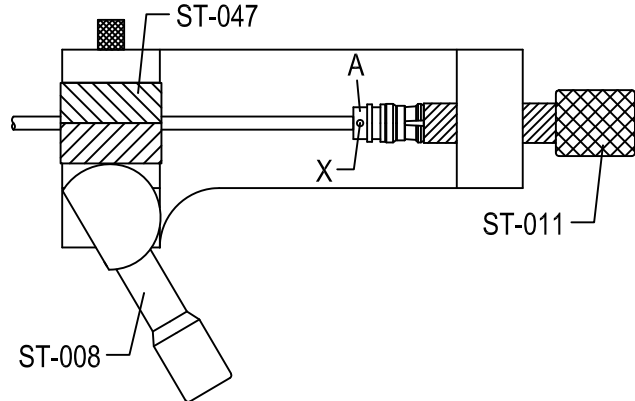
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMP		SMP8300-0047			
Interface					
MIL-STD-348B					
Electrical Data					
Impedance	50Ω				
Frequency range	DC to 23GHz				
VSWR	≤ 1.25 (18GHz); ≤ 1.3 (23GHz)				
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),min				
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					
Locator tool	ST-011				
Soldering fixture	ST-008				
Insert for .047 semi-rigid cable	ST-047				

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMP8300-0047		DATE	2014/09/12	REV	—
A		B			
					
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.2 MM GAGE ST-0.2 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 3: USE SOLDERING FIXTURE " ST-008 " , INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMP8300-0047

S11

