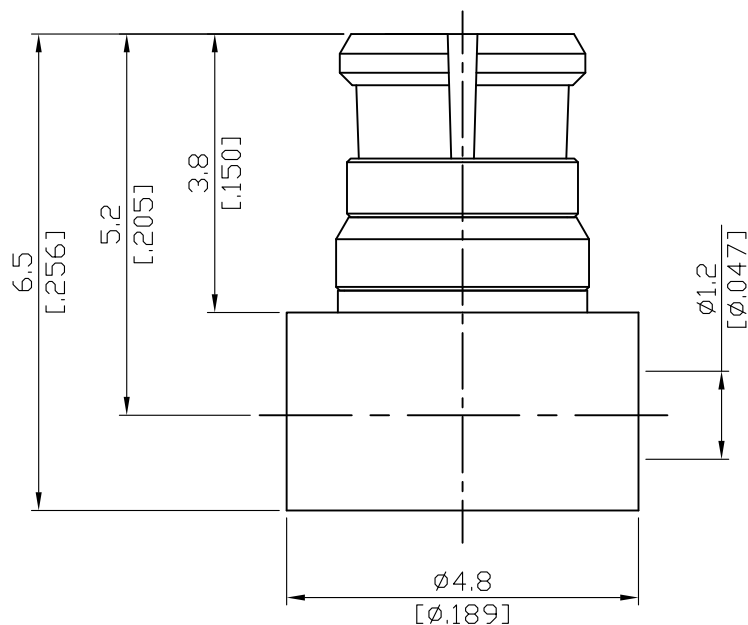


SMP8300-9047

SMPJack Solder Right Angle For .047 semi-rigid;
18GHz VSWR 1.35

50Ω



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

Suitable Cables: semi-rigid.047

This part number complies with RoHS.

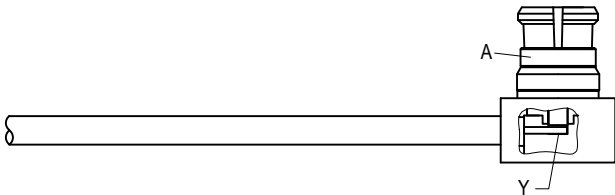
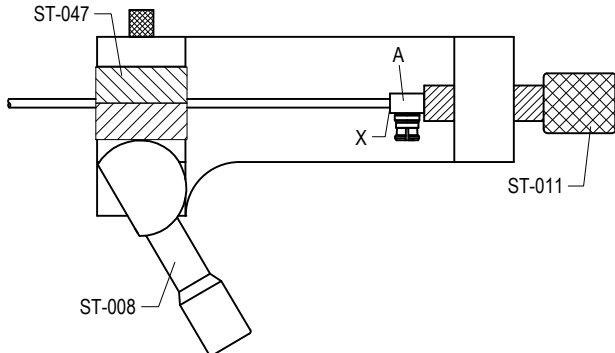
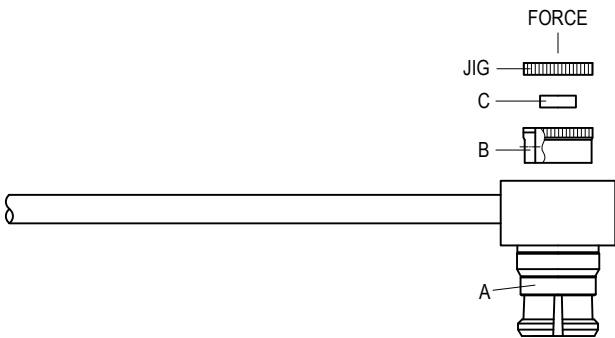
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMP		SMP8300-9047			
Interface					
MIL-STD-348B					
Electrical Data					
Impedance	50Ω				
Frequency range	DC to 18GHz				
VSWR	≤ 1.35 (18GHz)				
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

SMP8300-9047		DATE	2017/11/16	REV	A
A		B	C	D	
					
BODY		RING	INSULATOR	COVER	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR "A" AND SOLDER IN "Y".		
			Step 2: USE SOLDERING FIXTURE "ST-008", INSERT TOOL "ST-047" AND LOCATOR TOOL "ST-011" TO FIX THE CONNECTOR. SOLDER IN "X".		
			Step 4: PRESS ON THE TOP OF "B" AND "C" WITH JIGS.		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				<i>Albert</i>	

SMP8300-9047

S11

