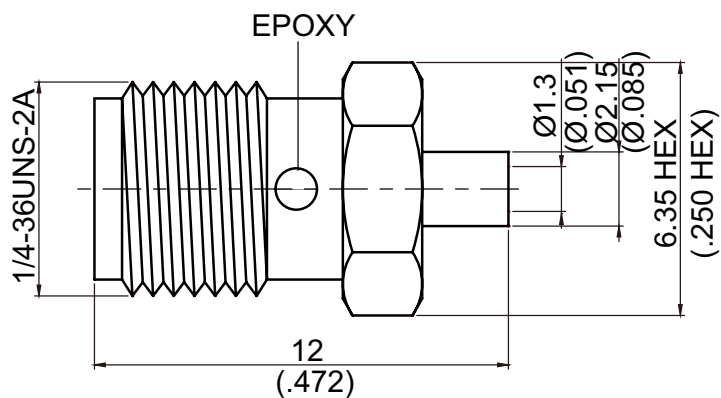


SMA8300A2-0047

**SMA Jack Solder For .047 semi-rigid
18GHz VSWR 1.2**

50Ω



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

Suitable Cables:Semi-rigid.047

This part number complies with RoHS.

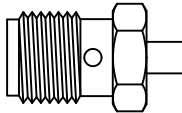
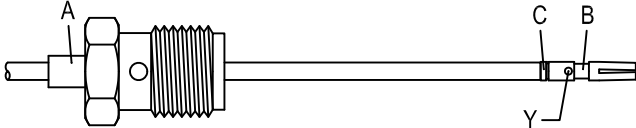
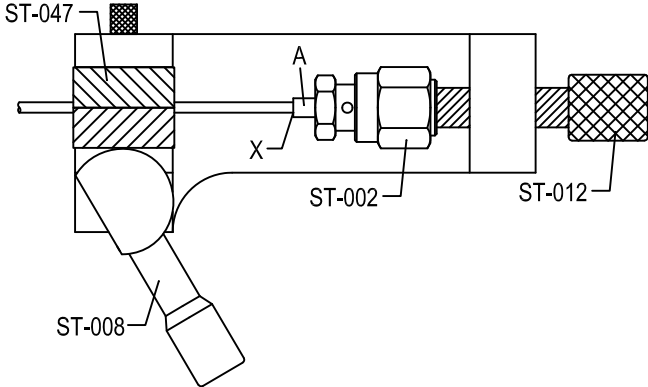
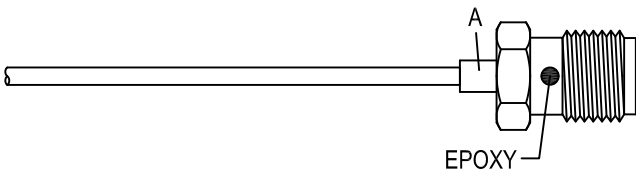
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8300A2-0047
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 18GHz VSWR ≤ 1.2 (DC to 18GHz) 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 -40°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-002 & ST-012 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 RECOMMENDATION

SMA8300A2-0047		DATE	2019/10/30	REV	A
A		B	C		
					
BODY		CONTACT PIN	INSULATOR		
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE CONNECTOR " A " OVER CABLE. Step 3: PUT INSULATOR " C " AND CENTER PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ".			
		Step 4:USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-002 " 、"ST-012 "TO FIX THE CONNECTOR. SOLDER IN " X ".			
		Step 5: POUR EPOXY INTO CONNECTOR.			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8300A2-0047

