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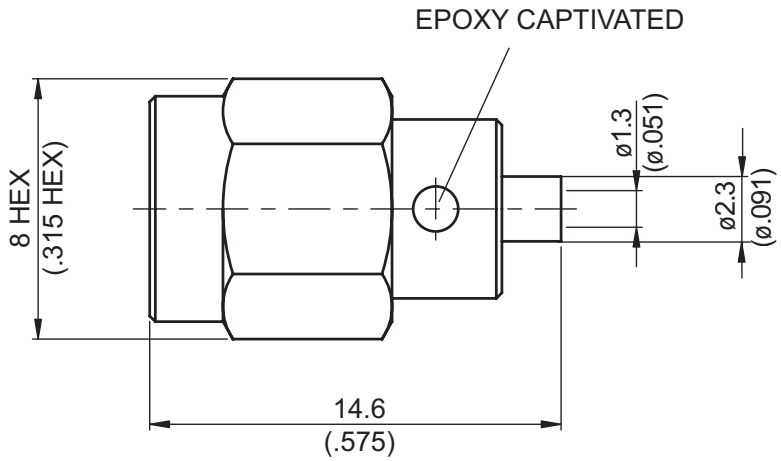
SMA3300-0047	SMA Plug Solder For .047 semi-rigid 11GHz VSWR 1.2	50Ω



Parts	Material	Plating (Micro-inch)
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 2.54 g
Suitable Cables: semi-rigid .047; conformable .047; 5001

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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SMA	SMA3300-0047
Interface	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
Electrical Data	
Impedance	50Ω
Frequency range	DC to 11GHz
VSWR	≦1.2 (DC to 11GHz)
Insertion loss	≦0.04 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦3mΩ
Contact resistance outer conductor	≦2mΩ
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
Coupling nut retention force	≧60.7 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-001, ST-011
Soldering fixture	ST-008
Insert for .047 semi-rigid cable	ST-047

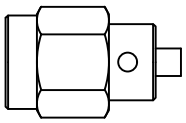
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

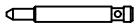
SMA3300-0047	DATE	2020/07/25	REV	—

A



BODY

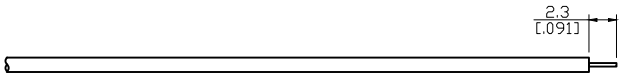
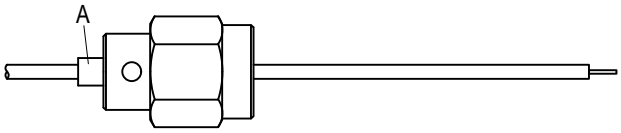
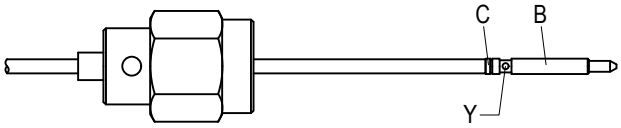
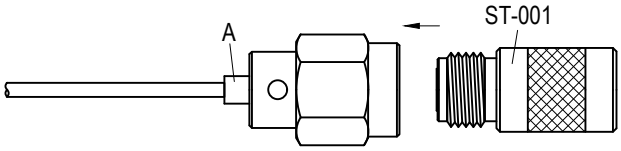
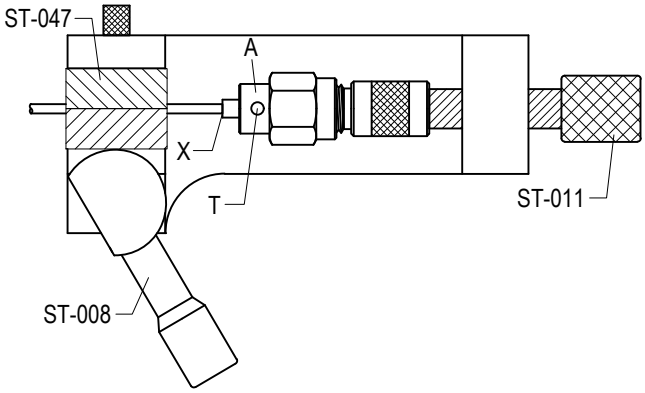
B



CONTACT PIN

C

INSULATOR

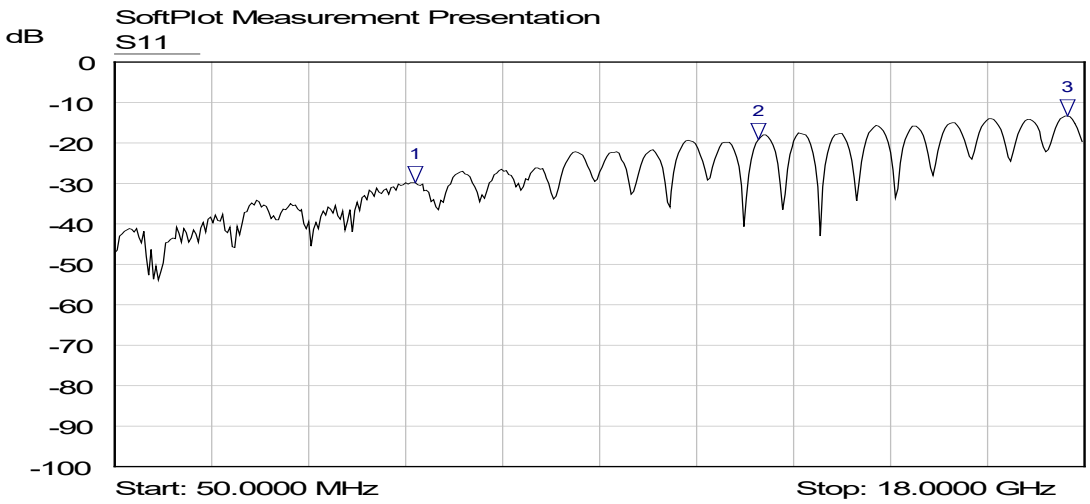
DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE CONNECTOR BODY " A " OVER CABLE.
	Step 3: PUT INSULATOR " C " AND PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ".
	Step 4: INSERT PREPARED CABLE INTO CONNECTOR BODY " A ". Step 5: SCREW LOCATOR TOOL "ST-001" INTO THE CONNECTOR BODY " A ".
	Step 6: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X " AND FILL EPOXY IN " T ".

This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
		Albert

SMA3300-0047



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.6048 GHz	-29.84 dB	
2 ▽	S11	11.9595 GHz	-19.12 dB	
3 ▽	S11	17.6920 GHz	-13.27 dB	