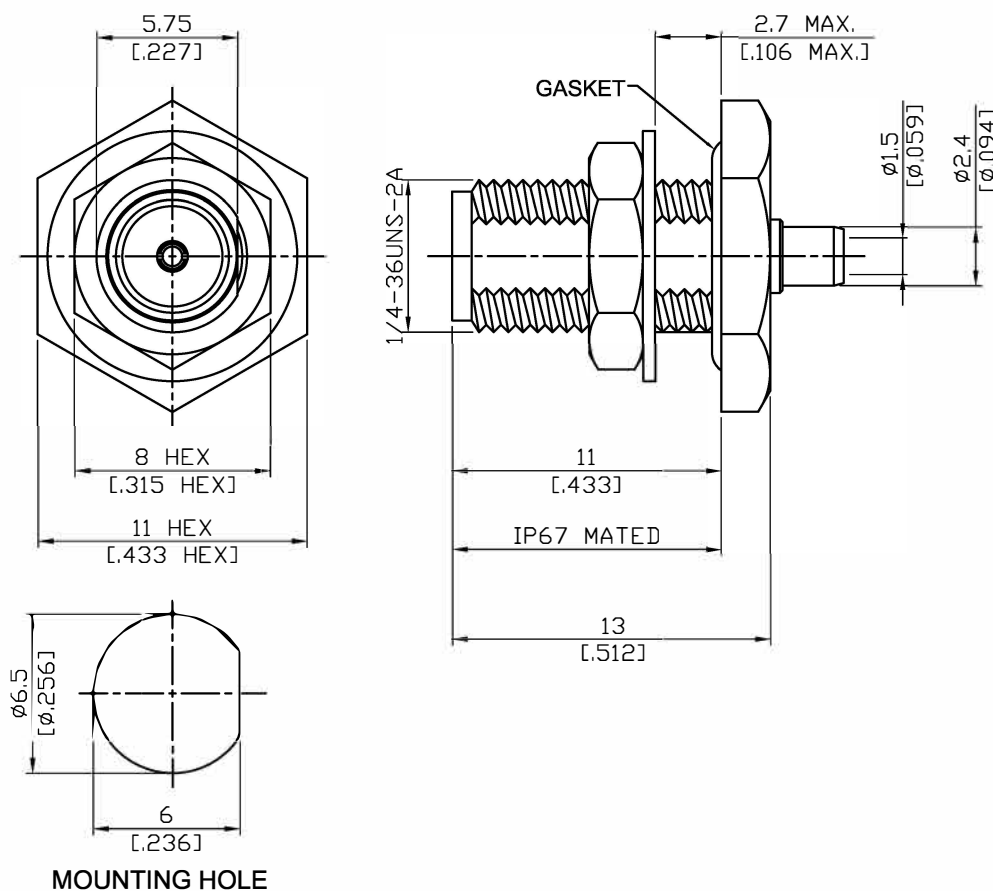


SMA8305-1.37

SMA Jack Solder Bulkhead For 1.37mm
IP67 Mated; 11GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicone	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: 1.37mm

This part number complies with RoHS.

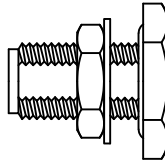
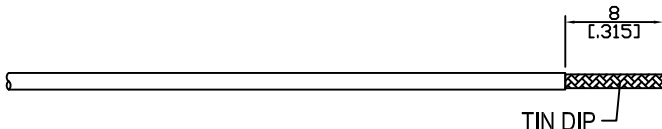
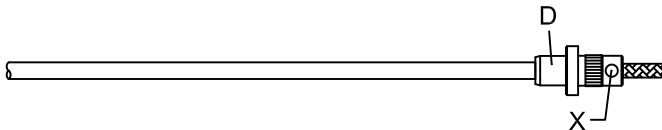
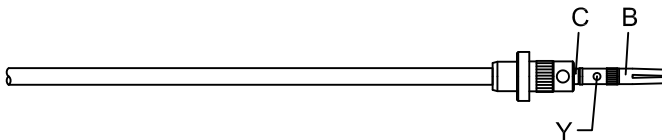
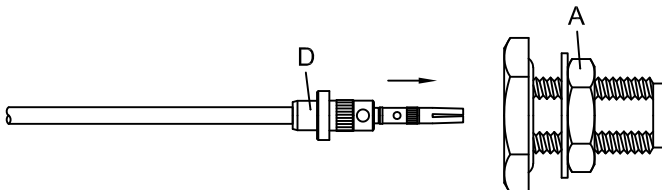
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8305-1.37
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 $\leq 0.04 \times \sqrt{f(\text{GHz})}$ 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) 750 V rms Working voltage (at sea level) 250 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 -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	

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

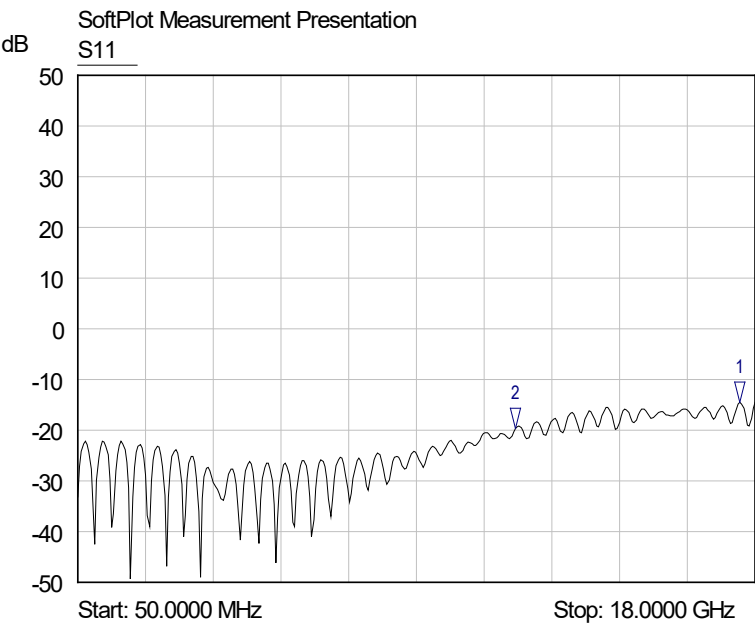
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA8305-1.37		DATE	2019/07/30	REV	A
A		B	C	D	
					
BODY + WASHER + HEX NUT		CONTACT PIN	INSULATOR	BARREL	
DIAGRAM			ASSEMBLY INSTRUCTION		
 TIN DIP			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE SOLDER FERRULE " D " OVER THE CABLE. Step 3: SOLDER IN " X ".		
 CUT EXCESS BRAID			Step 4: CUT AWAY ANY EXCESS BRAID STICKING OUT OF THE BARREL. Step 5: STRIP AS SHOWN.		
			Step 6: SLIDE PREPARED CABLE INTO INSULATOR " C " . Step 7: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ".		
			Step 8: USE PRESS MACHINE TO INSERT BARREL " D " INTO THE CONNECTOR BODY " A ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8305-1.37

S11



- 1 S11
▽ 17.6000 GHz
-14.48 dB
- 2 S11
▽ 11.6500 GHz
-19.66 dB