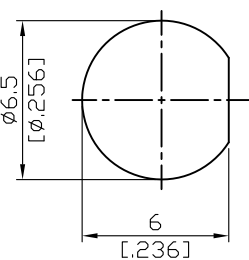
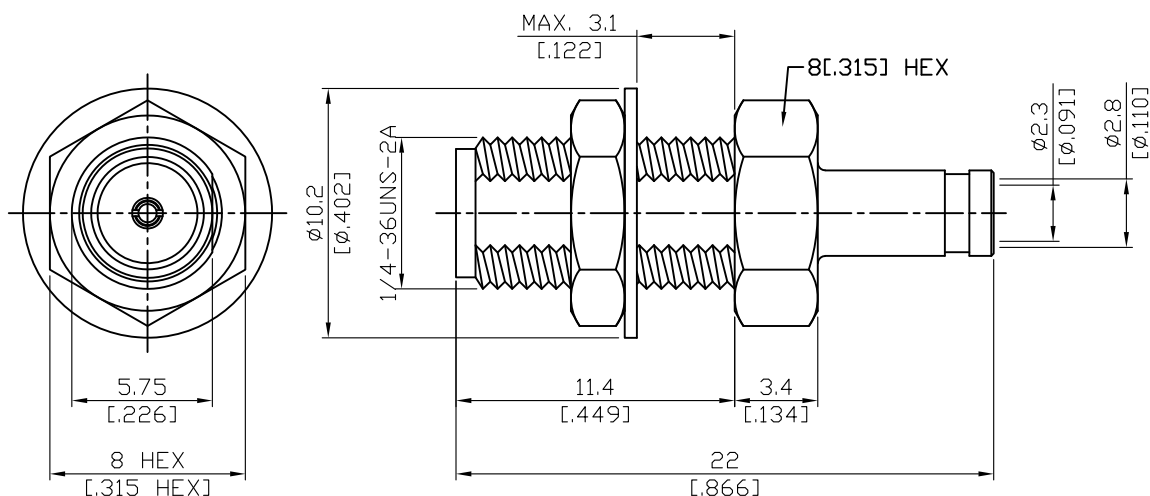


SMA8300L-0405/W

SMA Jack Solder Bulkhead For Flexible RG405
18GHz VSWR 1.2; 27GHz VSWR 1.35*

50Ω



MOUNTING HOLE

*Using 5002

Parts	Material	Plating (Micro-inch)
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Lock Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: SS405, 5002, 5002LD, T-Flex405, Multibend 405

This part number complies with RoHS.

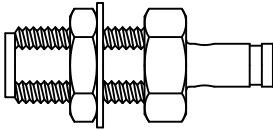
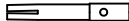
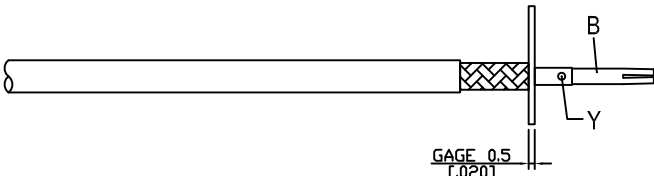
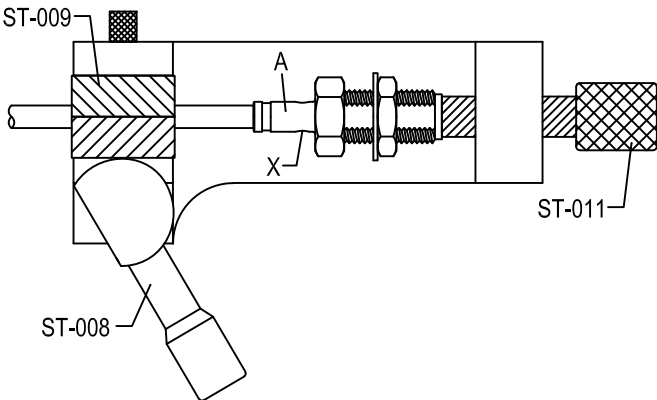
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA		SMA8300L-0405/W	
Interface			
MIL-STD-348B			
Mechanically compatible with		2.92 & 3.5	
Electrical Data			
Impedance		50Ω	
Frequency range		DC to 27GHz	
VSWR		≤ 1.2(18GHz); ≤ 1.35(27GHz)	
Insertion loss		≤ 0.04 x √f(GHz) dB	
Insulation resistance		≥ 5000MΩ	
Contact resistance inner conductor		≤ 3mΩ	
Contact resistance outer conductor		≤ 2mΩ	
Dielectric withstanding voltage (at sea level)		750 V rms	
Working voltage (at sea level)		250 V rms	
Mechanical Data			
Recommended coupling nut torque		7 to 9.5 inch lbs	
Coupling proof torque		15 inch lbs	
Contact Captivation-axial		≥ 6.1 lbs	
Durability (mating)		≥ 500	
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			
Soldering gauge	ST-0.5	Soldering fixture	ST-008
Locator tool	ST-011	Insert for RG405	ST-009

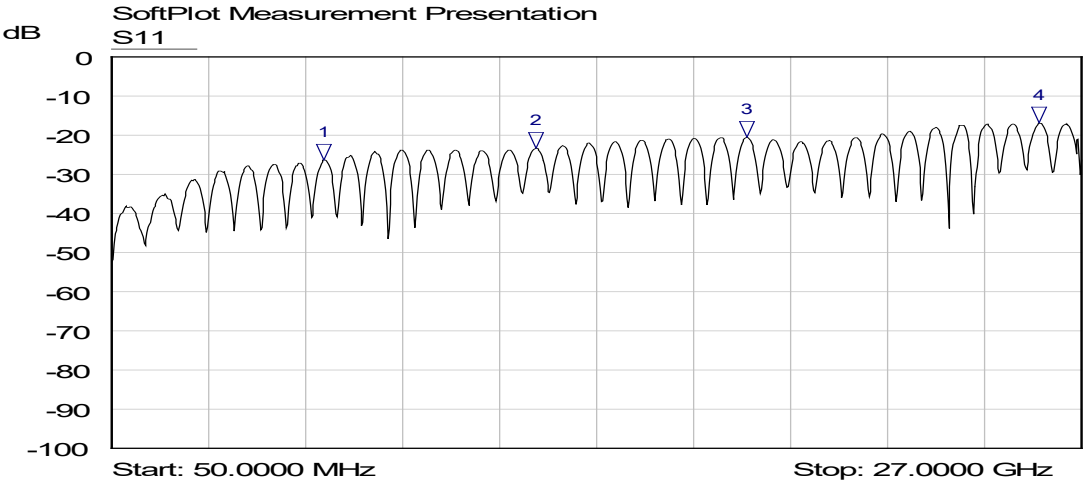
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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA8300L-0405/W		DATE	2020/06/12	REV	—
A		B			
					
BODY + WASHER + HEX NUT		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.5 MM GAGE ST-0.5 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-009 " 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	

SMA8300L-0405-W



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.9556 GHz	-26.37 dB	
2 ▽	S11	11.8313 GHz	-23.31 dB	
3 ▽	S11	17.7069 GHz	-20.58 dB	
4 ▽	S11	25.8309 GHz	-16.89 dB	