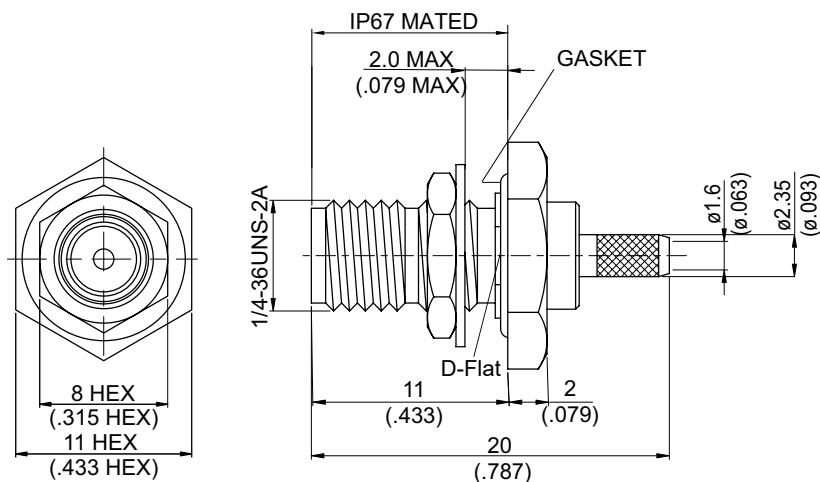
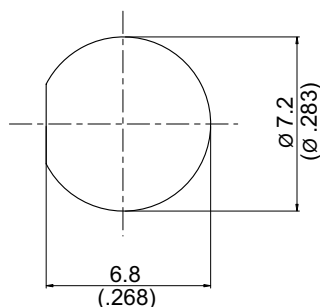


SMA8105S-0316

SMA Jack Crimp Bulkhead, IP67 Mated, 50Ω
For RG174, RG188, RG316; 11GHz VSWR 1.2



MOUNTING HOLE :



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

Weight: 4.22 g

Suitable Cables: RG174, RG188, RG316, RG316-FEP

This part number complies with RoHS.

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

SMA	SMA8105S-0316
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 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 Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-A Soldering gauge ST-0.4	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA8105S-0316

DATE

2017/11/01

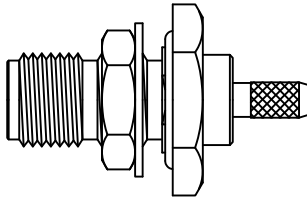
REV

—

A

B

C



BODY + GASKET
+ HEX NUT
+ LOCK WASHER



CONTACT PIN



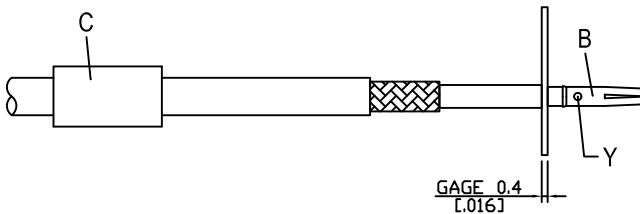
FERRULE

DIAGRAM

ASSEMBLY INSTRUCTION

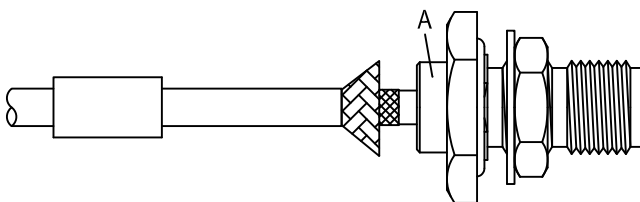


Step 1: STRIP AS SHOWN.

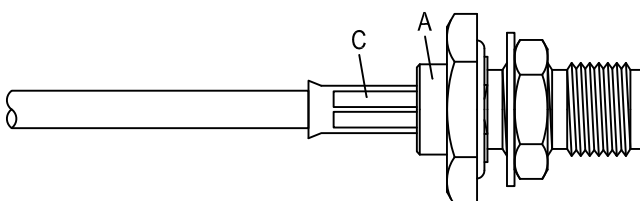


Step 2: SLIDE FERRULE " C " OVER CABLE.

Step 3: PUT 0.4 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER OR CRIMP IN " Y ".
(USE SQUARE 0.98mm/0.039inch SECTION OF INSERT-A IF CRIMPED)



Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.



Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.
(USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)

This part number complies with RoHS.

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

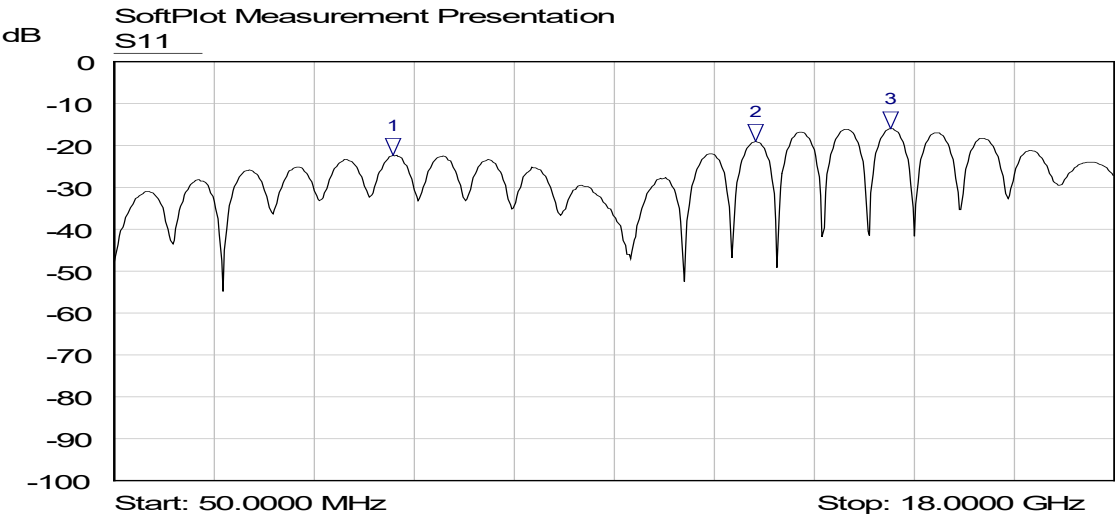
APPROVED

CHECKED

DRAWING

Albert

SMA8105S-0316



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.0563 GHz	-22.37 dB	
2 ▽	S11	11.5615 GHz	-19.08 dB	
3 ▽	S11	13.9897 GHz	-16.01 dB	