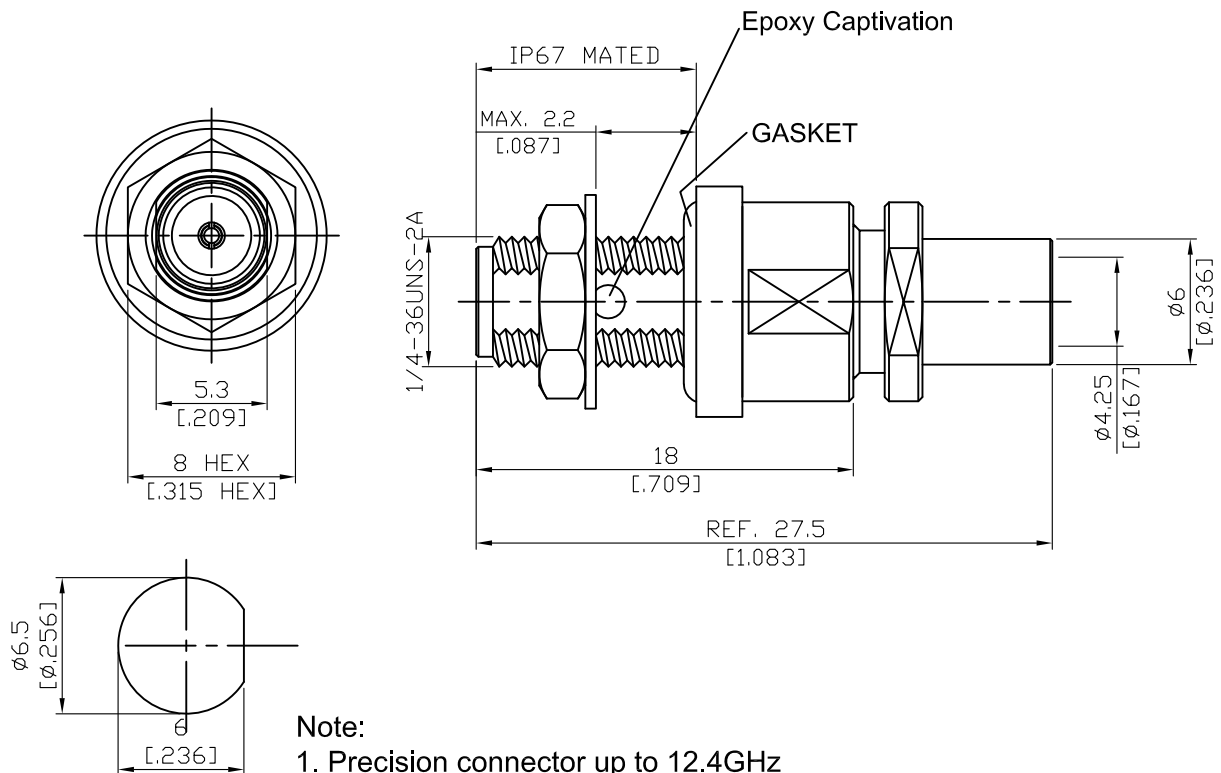


SMA8205S-S402

SMA Jack Solder Clamp Bulkhead, IP67 Mated,
For Flexible RG402; 12.4GHz VSWR 1.2*

50Ω



MOUNTING HOLE

Note:

1. Precision connector up to 12.4GHz
 2. Solder clamp design ensures a sturdy connector/cable connection
 3. Manufacturing low loss high frequency RF assemblies requires expertise.
- *Using 5003

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

Suitable Cables: 5003; SS402; T-Flex 402; Multiflex 141; .141SRF-W-P-50-F

This part number complies with RoHS.

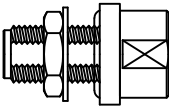
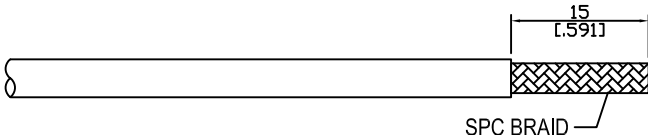
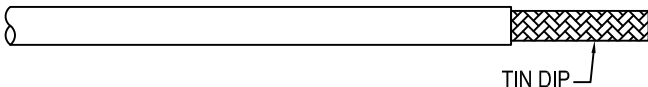
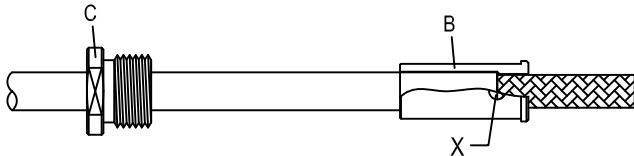
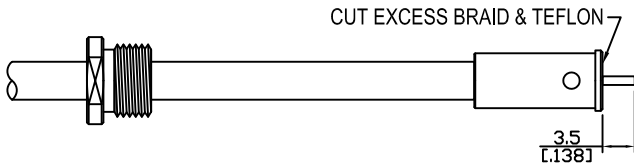
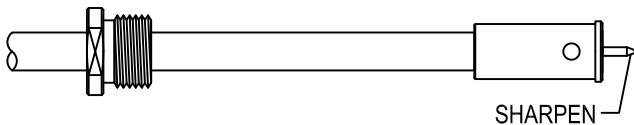
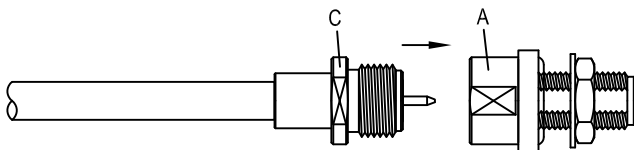
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8205S-S402
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 12.4GHz VSWR ≤ 1.2 (DC to 12.4GHz) 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 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 -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	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA8205S-S402		DATE	2017/04/12	REV	—
A		B		C	
					
BODY + GASKET + HEX NUT + LOCK WASHER		SOLDER FERRULE		CLAMP NUT	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: TIN DIP SPC BRAID.		
			Step 3: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER THE CABLE. Step 4: SOLDER IN " X ".		
			Step 5: CUT AWAY ANY EXCESS BRAID AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.		
			Step 7: SHARPEN CENTER CONDUCTOR TIP.		
			Step 8: FINALLY SCREW NUT " C " ON THE CONNECTOR BODY " A ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8205S-S402

S11

