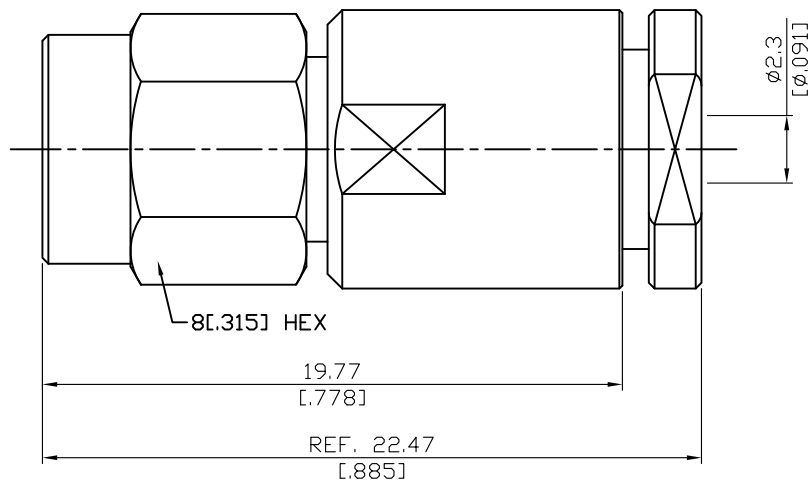


2.4-3200S-0085

2.4mm plug solder clamp for RG405;
50GHz VSWR 1.35

50Ω



Note:

1. Precision connector up to 50GHz.
2. Solder clamp design ensures a sturdy connector/cable connection.
3. Manufacturing low loss high frequency RF assemblies requires expertise.

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

Suitable Cables: Semi-rigid .085, Conformable .085

This part number complies with RoHS.

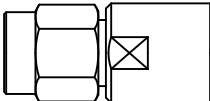
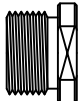
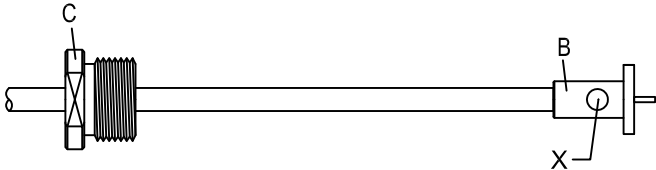
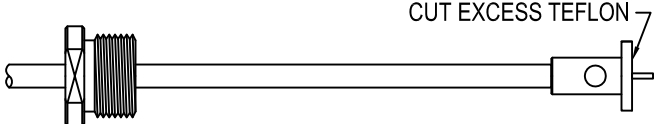
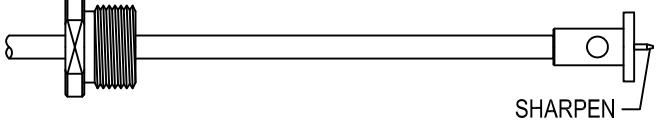
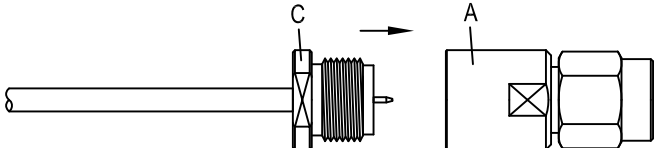
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

2.4	2.4-3200S-0085
Interface MIL-STD-348B Mechanically compatible with 1.85	
Electrical Data Impedance 50Ω Frequency range DC to 50GHz VSWR ≤ 1.35 (DC to 50GHz) Insertion loss $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 4\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (sea level) 500V rms Working voltage (sea level) 150V rms RF leakage $\geq 100\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 7.08 to 9.74 inch lbs Coupling proof Torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact captivation-axial ≥ 4.5 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -55°C to +105°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

2.4-3200S-0085		DATE	2021/05/12	REV	-
A  BODY B  SOLDER FERRULE C  NUT					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN .		
			Step 2: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER THE CABLE. Step 3: SOLDER IN " X " .		
			Step 4: CUT AWAY ANY EXCESS TEFLON STICKING OUT OF THE SOLDER NUT.		
			Step 5: SHARPEN CENTER CONDUCTOR TIP.		
			Step 6: 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	

2.4-3200S-0085

