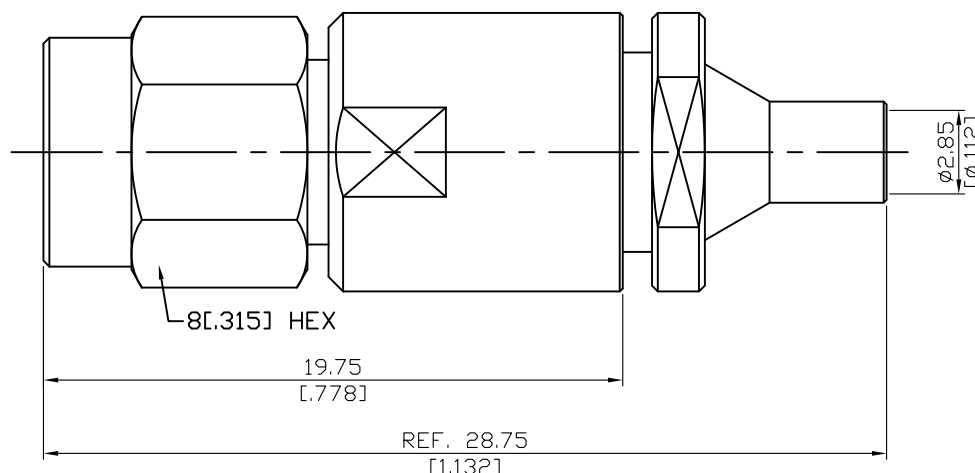


2.4-3200S-5002

2.4mm plug solder clamp for flexible RG405;
50GHz VSWR 1.2*

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.

*Using 5002

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
Gasket	Silicone	
Retainer Ring	Beryllium Copper	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: 5002, SS405, T-Flex 405, Multiflex 86, .085SRF-W-P-50-F		

This part number complies with RoHS.

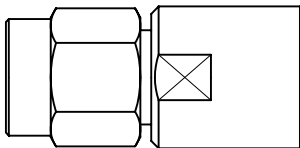
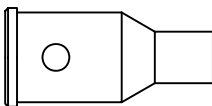
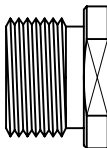
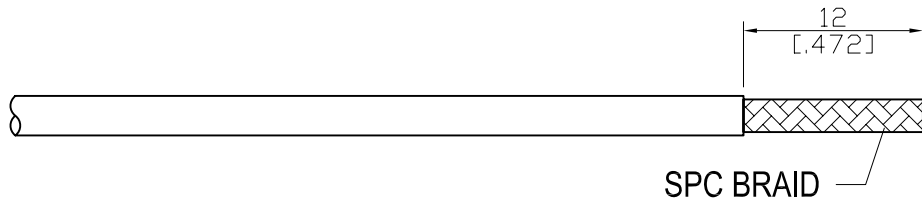
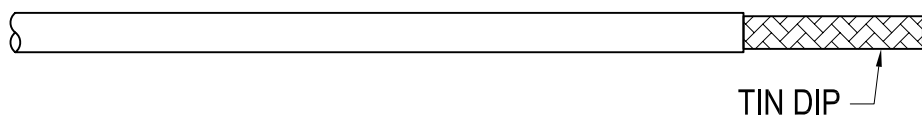
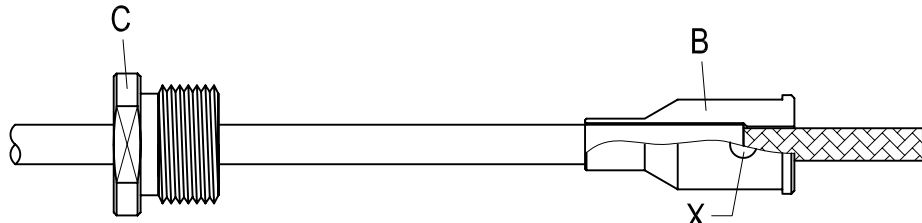
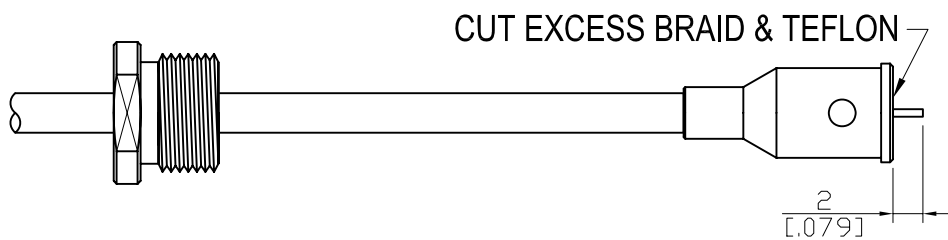
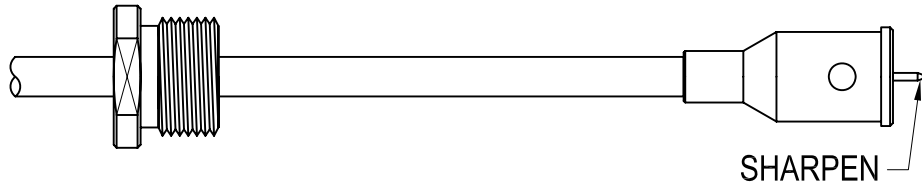
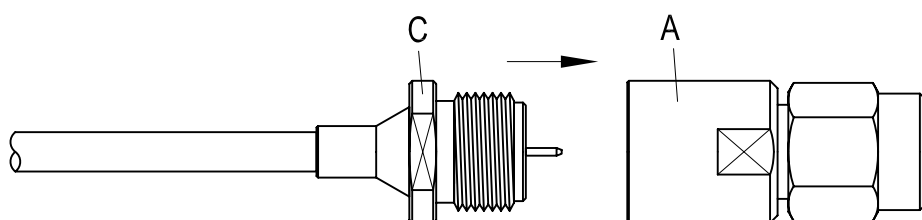
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

2.4	2.4-3200S-5002
Interface MIL-STD-348B Mechanically compatible with 1.85	
Electrical Data Impedance 50Ω Frequency range DC to 50GHz VSWR ≤ 1.2 (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.

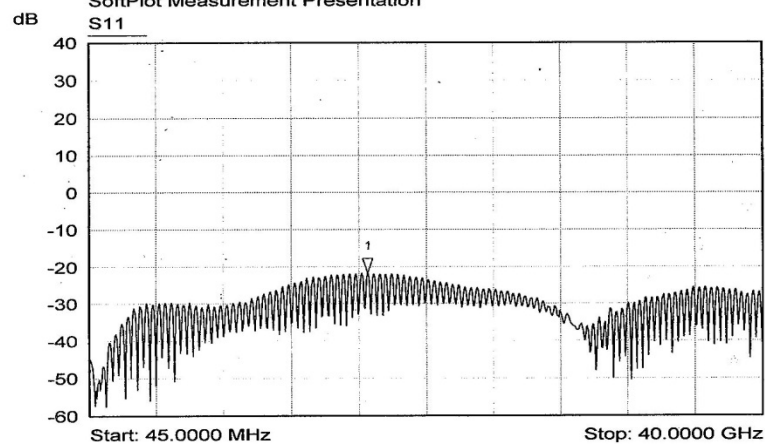
CABLE ASSEMBLY RECOMMENDATION

2.4-3200S-5002		DATE	2019/01/18	REV	A
A		B		C	
					
BODY		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	

2.4-3200S-5002

2019.04.03

SoftPlot Measurement Presentation
S11



1 S11
▽ 16.5264 GHz
1.18 VSWR