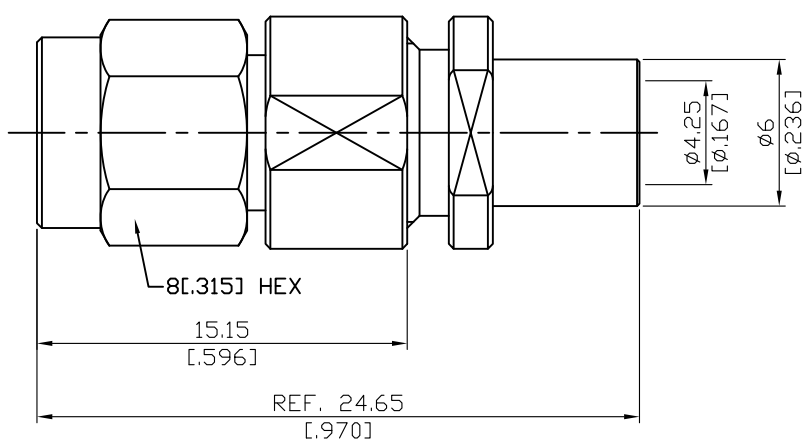


SMA3200S-5003A

SMA plug solder clamp for flexible 5003A;
26.5GHz VSWR 1.2*

50Ω



Note:

1. Precision connector up to 26.5GHz.
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)
Coupling Nut	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Insulator	Teflon	
Gasket	Silicone	
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
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
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.

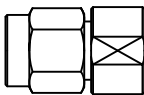
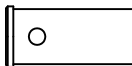
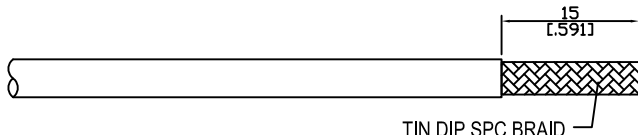
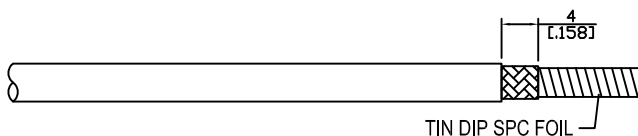
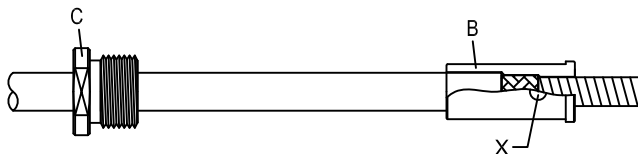
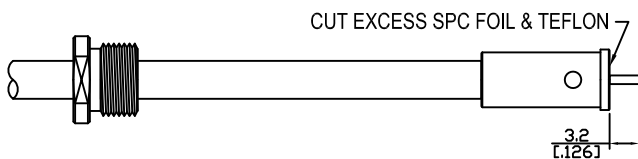
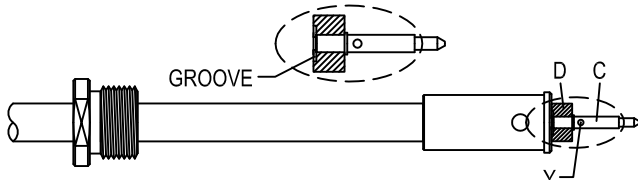
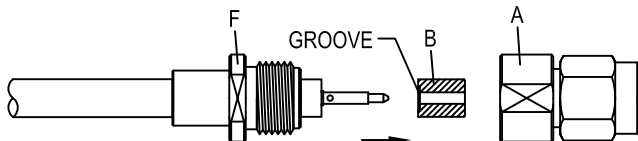
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA3200S-5003A
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 26.5GHz VSWR ≤ 1.2 (DC to 26.5GHz) 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) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 7 to 9.5 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 60.7 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	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA3200S-5003A			DATE	2021/07/08	REV	—
A	B	C	D	E	F	
						
BODY	INSULATOR	CONTACT PIN	INSULATOR	SOLDER FERRULE	CLAMP NUT	
DIAGRAM			ASSEMBLY INSTRUCTION			
 TIN DIP SPC BRAID			Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.			
 TIN DIP SPC FOIL			Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.			
			Step 3: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER THE CABLE. Step 4: SOLDER IN " X ".			
 CUT EXCESS SPC FOIL & TEFLON			Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.			
 GROOVE			Step 7: PUT INSULATOR " D " AND PIN " C " ON CENTER CONDUCTOR AND SOLDER IN " Y ".			
 GROOVE			Step 8: SLIDE INSULATOR " B " INTO CONNECTOR BODY " A ". Step 9: FINALLY SCREW NUT " F " 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		