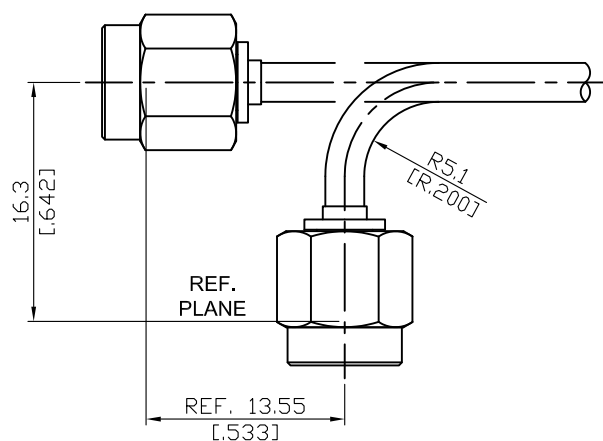
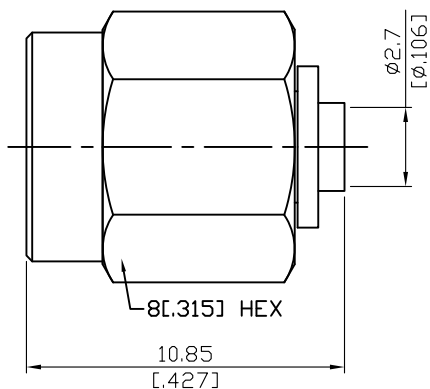


SMA32MR-5002A

SMA Plug With Small Bend Radius For 5002A
27GHz VSWR 1.2

50Ω



Note:

1. Precision connector up to 27GHz.
2. Small bending radius; 30 matings guaranteed.
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	Teflon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Braid Clamp	Stainless Steel	Passivated
Gasket	Silicone	

Suitable Cables: 5002A

This part number complies with RoHS.

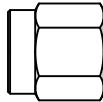
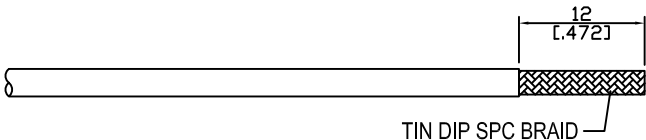
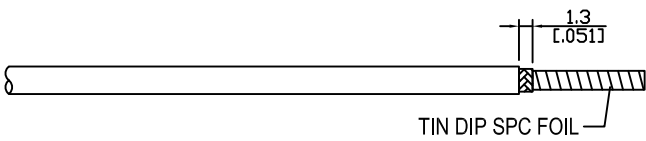
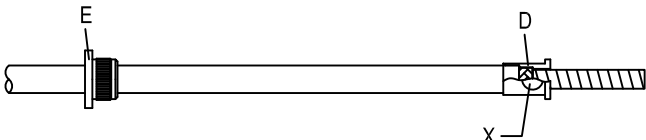
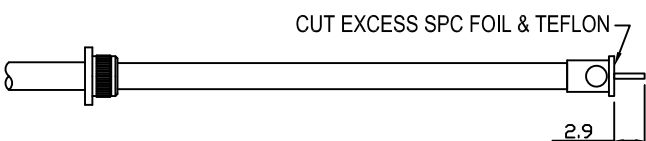
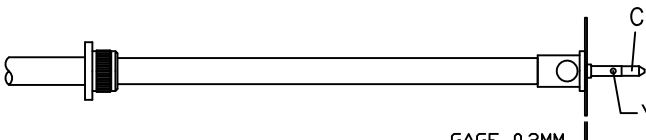
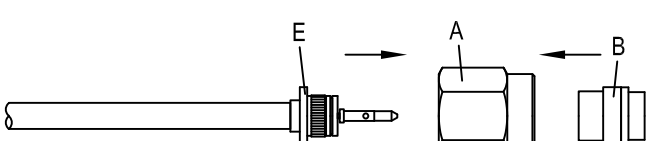
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA32MR-5002A
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 27GHz VSWR ≤ 1.2 (DC to 27GHz) 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 Soldering gauge ST-0.2	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA32MR-5002A		DATE	2020/01/21	REV	-
A	B	C	D	E	
					
SHELL	BODY +GASKET	CONTACT PIN	SOLDER FERRULE	BRAID CLAMP	
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.			
		Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.			
		Step 3: SLIDE BRAID CLAMP " E " AND SOLDER FERRULE " D " OVER THE CABLE. Step 4: SOLDER IN " X ".			
		Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.			
		Step 7: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CONTACT PIN " C " AND SOLDER IN " Y ".			
		Step 8: USE PRESS MACHINE TO INSERT BRAID CLAMP " E " INTO THE SHELL " A " AND BODY " B ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	