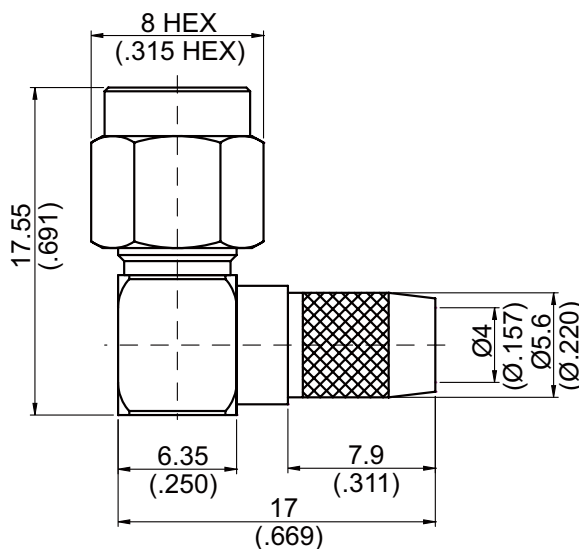


SMA31NP-9L240

SMA Plug Crimp Right Angle
For JBY240, LMR240; 6GHz VSWR 1.2

50Ω



Parts	Material	Plating(Micro-inch)
Ferrule	Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Cover	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Contact Pin	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Barrel	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Body	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Coupling Nut	Stainless	Passivated

Suitable Cables: JBY240, LMR240

This part number complies with RoHS.

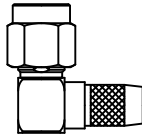
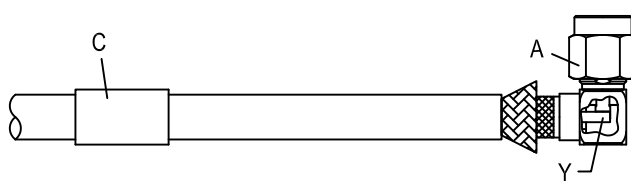
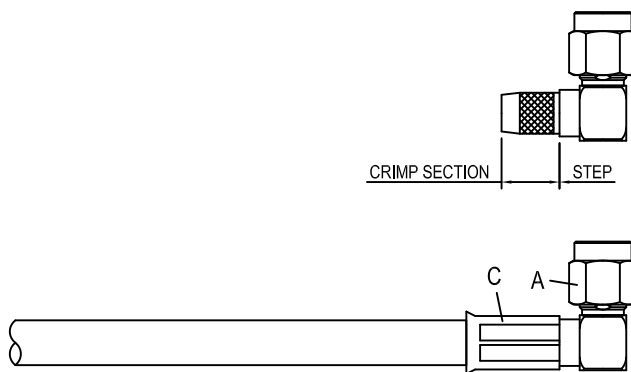
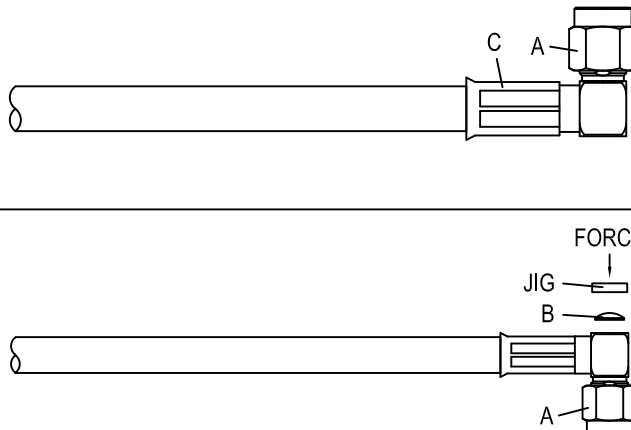
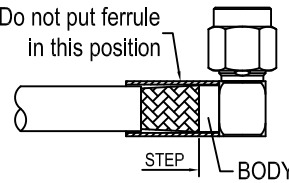
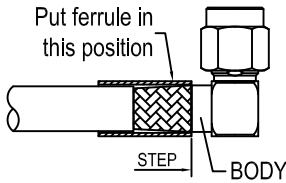
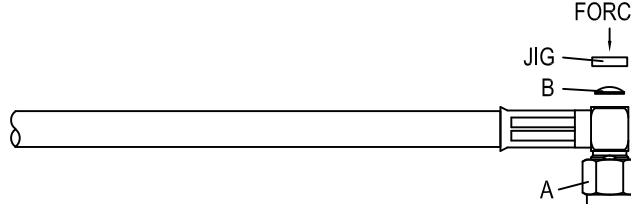
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA31NP-9L240
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) 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 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 Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-E	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA31NP-9L240		DATE	2020/07/07	REV	—
A  BODY B  COVER C  FERRULE					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE "C" OVER CABLE. Step 3: WRAP THE BRAIDING UPWARDS. Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR "A" AND SOLDER IN "Y".		
			Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 6.5mm/0.256inch HEX SECTION OF INSERT-E) ※ PAY ATTENTION TO THE FERRULE CRIMPING POSITION. FERRULE SHOULD SIT FLUSH WITH STEP WHEN CRIMPED.		
			NG Do not put ferrule in this position  OK Put ferrule in this position 		
			Step 6: PRESS ON THE TOP OF "B" WITH JIGS.		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA31NP-9L240

