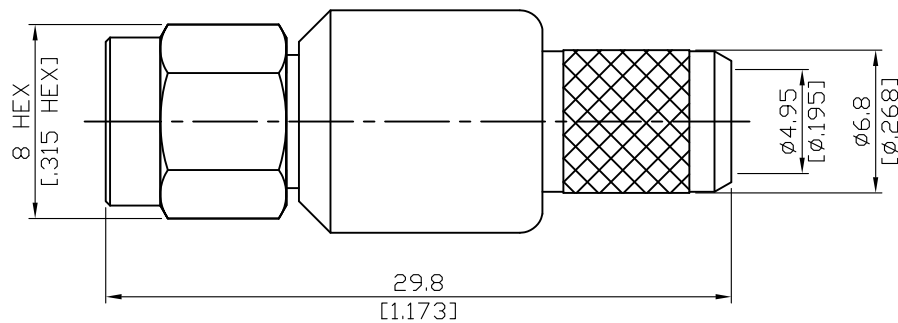


SMA3100-L300

SMA Plug Crimp For JBY300,LMR300
6GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	P. Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 14.38 g
Suitable Cables: JBY300; LMR300

This part number complies with RoHS.

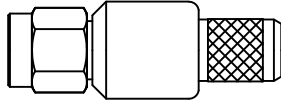
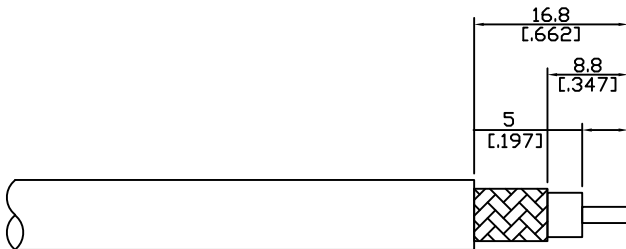
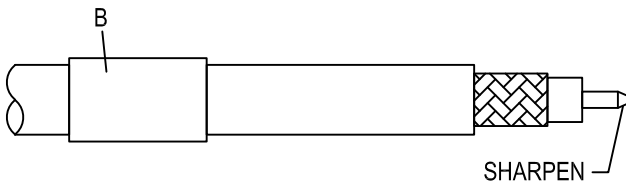
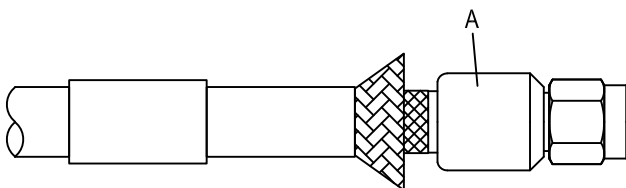
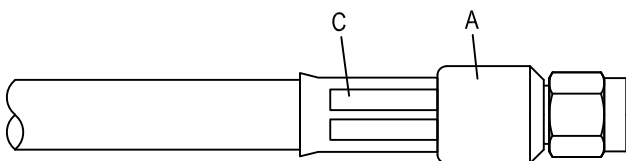
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA3100-L300
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) 750 V rms Working voltage (at sea level) 250 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
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-D	

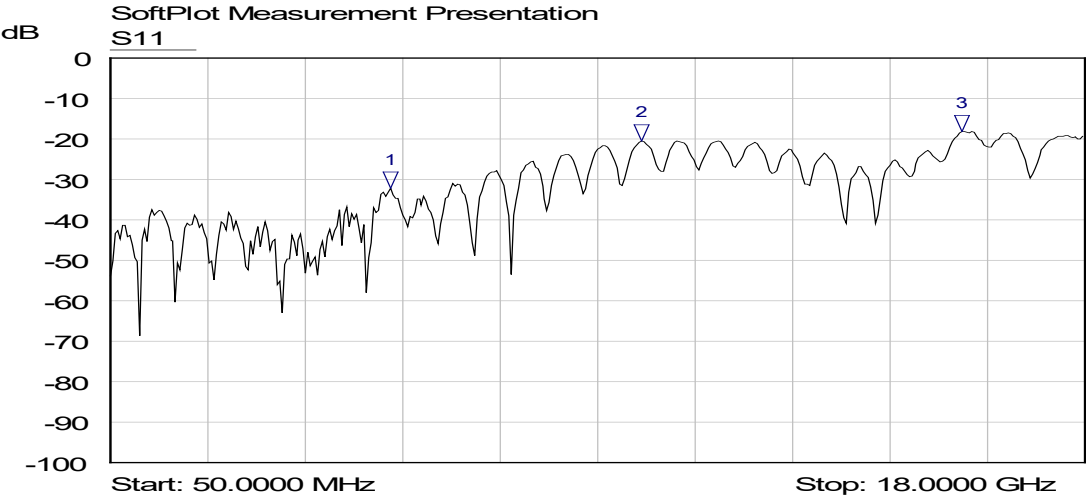
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA3100-L300		DATE	2007/08/02	REV	—
A		B			
					
BODY		FERRULE			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SHARPEN CENTER CONDUCTOR TIP. Step 3: SLIDE FERRULE "C" OVER CABLE.			
		Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.			
		Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 7.9mm/0.311inch HEX SECTION OF INSERT-D)			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA3100-L300



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S11	5.2048 GHz	-32.18 dB	
2 ▾	S11	9.8264 GHz	-20.51 dB	
3 ▾	S11	15.7367 GHz	-18.10 dB	