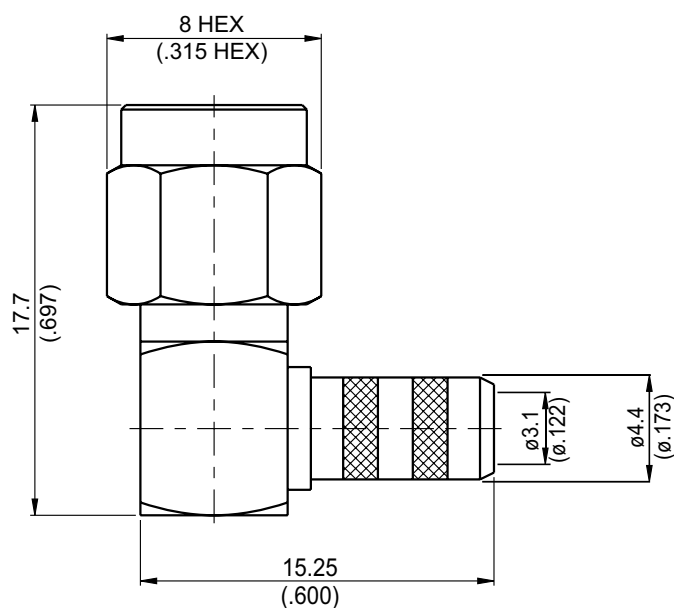


SMA6100-9223

SMA Reverse Polarity Plug Crimp Right Angle 50Ω
For RG223; 6GHz VSWR 1.2



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Cover	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Renbrock Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Contact Pin	Beryllium Copper	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	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20

Suitable Cables:RG223

This part number complies with RoHS.

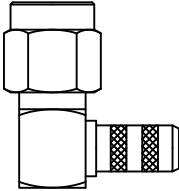
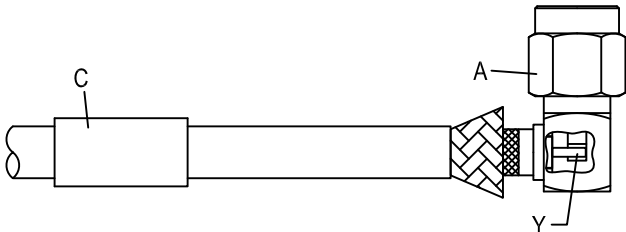
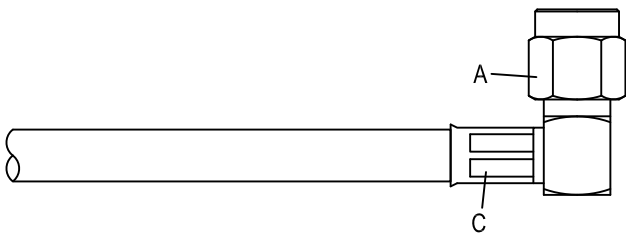
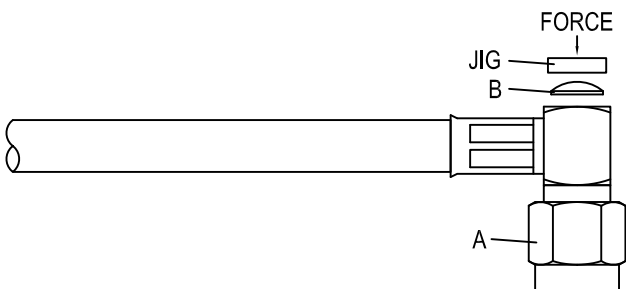
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA6100-9223
Interface Per JYEBAO SMA Reverse Polarity derived from MIL-STD-348B	
Electrical Data	
Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≤ 1.2 (DC to 6GHz)
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5000MΩ
Contact resistance inner conductor	≤ 3mΩ
Contact resistance outer conductor	≤ 2mΩ
Dielectric withstanding voltage (at sea level)	1000 V rms
Working voltage (at sea level)	335 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-B

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA6100-9223		DATE	2014/04/29	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 5.9mm/0.232inch HEX SECTION OF INSERT-B)		
			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	

SMA6100-9223

S11

