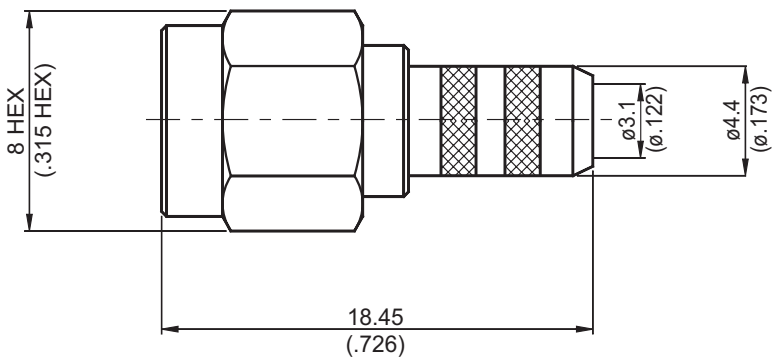


SMA6100-0223	SMA Reverse Polarity Plug Crimp For RG223; 11GHz VSWR 1.2		50Ω																								
																											
<table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Ferrule</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Contact Pin</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Renber Ring</td><td>Beryllium Copper</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Gasket</td><td>Silicon</td><td></td></tr><tr><td>Insulator</td><td>Teflon</td><td></td></tr><tr><td>Body</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Coupling Nut</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr></table>				Parts	Material	Plating (Micro-inch)	Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Gasket	Silicon		Insulator	Teflon		Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
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Weight: 3.82 g Suitable Cables: RG223																											

This part number complies with RoHS.

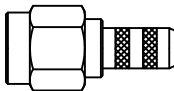
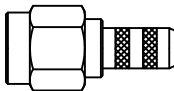
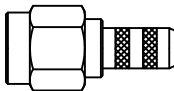
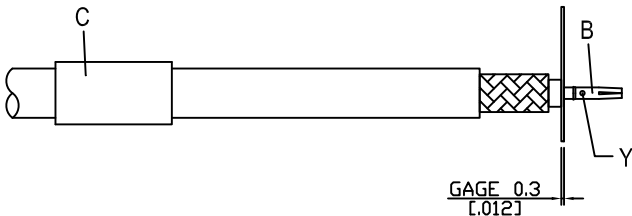
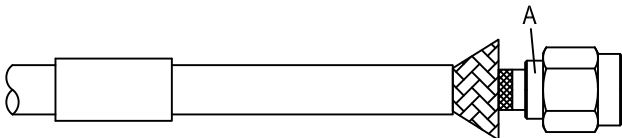
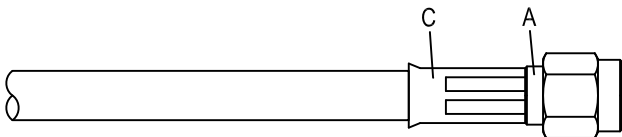
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA6100-0223
Interface Per JYEBAO SMA Reverse Polarity derived from MIL-STD-348B	
Electrical Data	
Impedance	50Ω
Frequency range	DC to 11GHz
VSWR	≤ 1.2 (DC to 11GHz)
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
Soldering gauge	ST-0.3

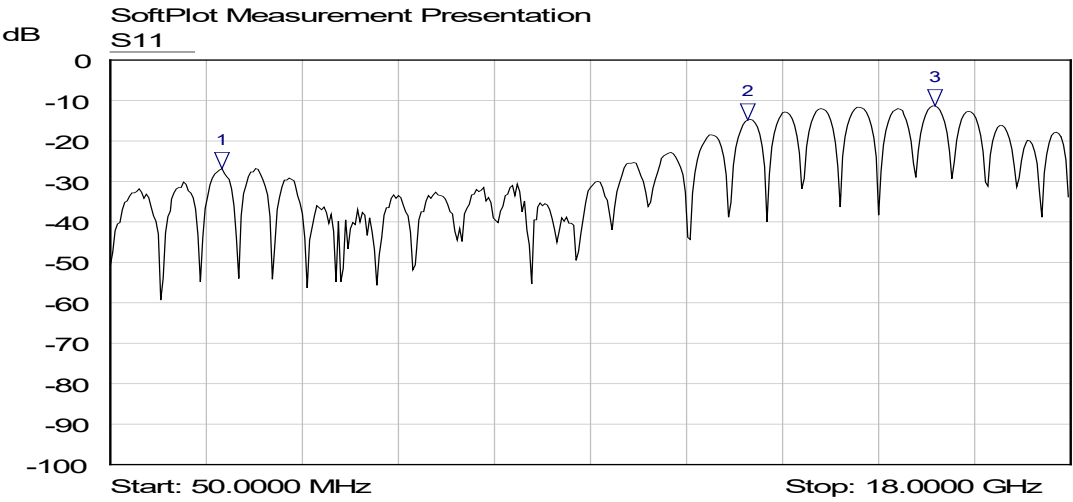
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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA6100-0223		DATE	2015/12/03	REV	—									
<table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td></td><td></td><td></td></tr><tr><td>BODY</td><td>CONTACT PIN</td><td>FERRULE</td></tr></table>						A	B	C				BODY	CONTACT PIN	FERRULE
A	B	C												
														
BODY	CONTACT PIN	FERRULE												
DIAGRAM			ASSEMBLY INSTRUCTION											
			Step 1: STRIP AS SHOWN.											
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.98mm/0.039inch SECTION OF INSERT-B IF CRIMPED)											
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.											
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.9mm/0.232inch HEX SECTION OF INSERT-B)											
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.														
APPROVED		CHECKED		DRAWING										
				Albert										

SMA6100-0223



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	2.1386 GHz	-26.87 dB	
2 ▽	S11	11.9595 GHz	-14.78 dB	
3 ▽	S11	15.4701 GHz	-11.36 dB	