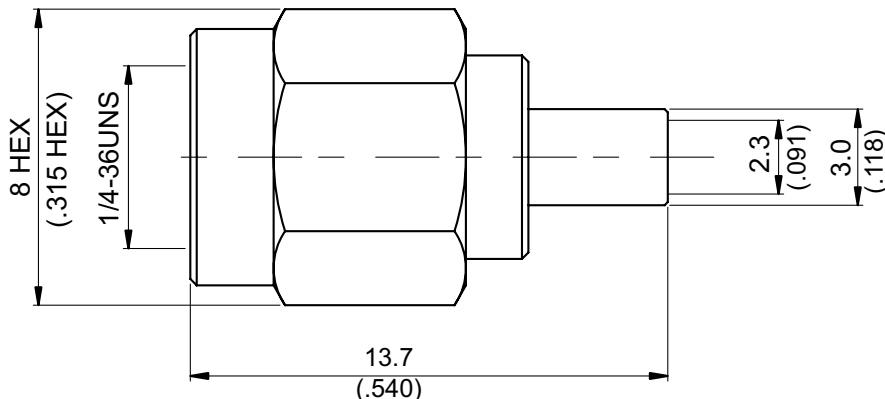


SMA6100-0178

SMA Reverse Polarity Plug Crimp
For RG178,RG178-FEP; 3GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Insulator	Teflon	
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

Weight: 3.31 g

Suitable Cables: RG178, RG196, RG178-FEP

This part number complies with RoHS.

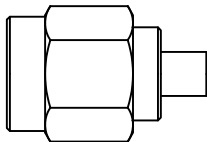
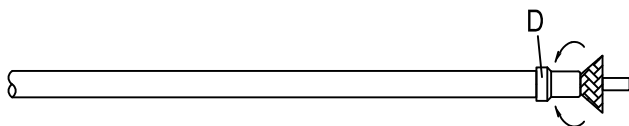
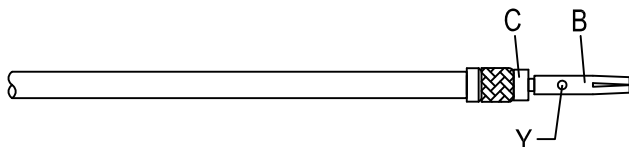
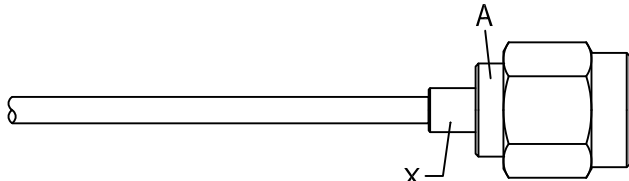
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA6100-0178
Interface Per JYEBAO SMA Reverse Polarity derived from MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 3GHz VSWR ≤ 1.2 (DC to 3GHz) 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 $\leq 2\text{m}\Omega$	
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-A	

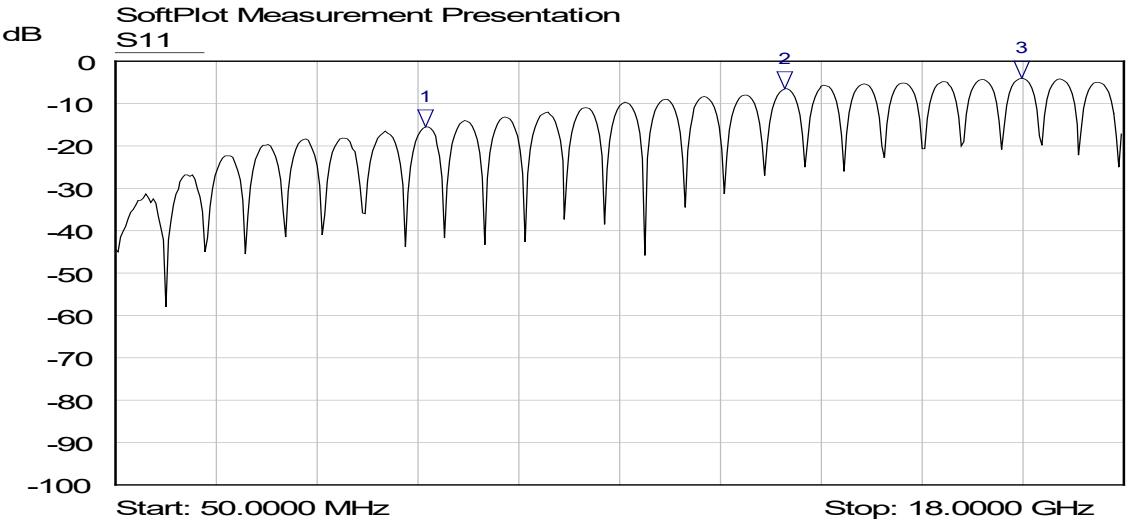
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA6100-0178		DATE	2015/12/03	REV	—
A		B	C	D	
					
BODY		CONTACT PIN	INSULATOR	FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " D " OVER CABLE. Step 3: WRAP THE BRAIDING OVER " D " .		
			Step 4: STRIP AS SHOWN.		
			Step 5: SLIDE PREPARED CABLE INTO INSULATOR " C ". Step 6: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y " . (USE SQUARE 0.98mm/0.039inch SECTION OF INSERT-A IF CRIMPED)		
			Step 7: PUT PREPARED CABLE INTO CONNECTOR BODY " A " AND CRIMP IN " X " . (USE 2.55mm/0.100inch HEX SECTION OF INSERT-A)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA6100-0178



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	5.5603 GHz	-15.45 dB	
2 ▽	S11	11.9595 GHz	-6.55 dB	
3 ▽	S11	16.1811 GHz	-4.04 dB	