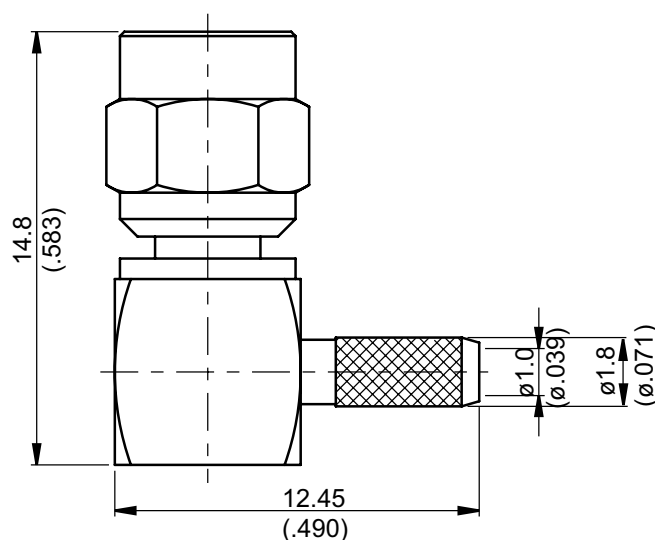


SMC3100-9178

SMC plug crimp right angle **50Ω**
For RG178, RG178-FEP; 2.5GHz VSWR 1.2



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Cover	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
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	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: 2.89 g

Suitable Cables: RG178, RG178-FEP

This part number complies with RoHS.

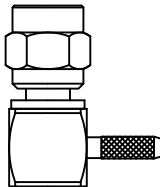
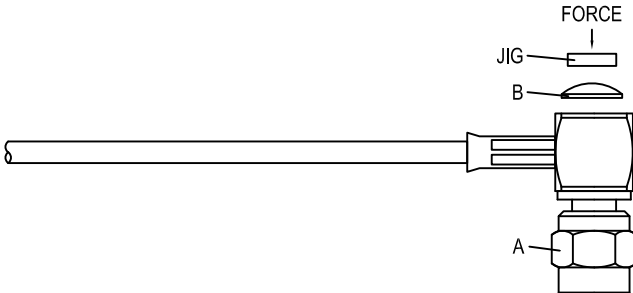
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMC	SMC3100-9178
Interface MIL-STD-348B	
Electrical Data Impedance Frequency range VSWR Insertion loss Insulation resistance Contact resistance inner conductor Contact resistance outer conductor Dielectric withstanding voltage (at sea level) Working voltage (at sea level) RF leakage 50Ω DC to 2.5GHz ≤ 1.2 (DC to 2.5GHz) $\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$ $\geq 10000\text{M}\Omega$ $\leq 5\text{m}\Omega$ $\leq 2.5\text{m}\Omega$ 750 V rms 250 V rms $\geq 90\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque Coupling proof torque Coupling nut retention force Contact captivation-axial Durability (mating) 2.2 to 3.1 inch lbs 6.2 inch lbs ≥ 33.72 lbs ≥ 2.25 lbs ≥ 500	
Environmental Data Temperature range Thermal shock Moisture resistance Corrosion RoHS -65°C to +165°C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 106 MIL-STD-202, Method 101, Condition B Compliant	
Tooling Crimping tool Crimp insert CRT-1 or CRT-2 INSERT-A	

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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMC3100-9178		DATE	2016/08/22	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 2.7mm/0.106inch HEX SECTION OF INSERT-A)		
			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	

SMC3100-9178

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