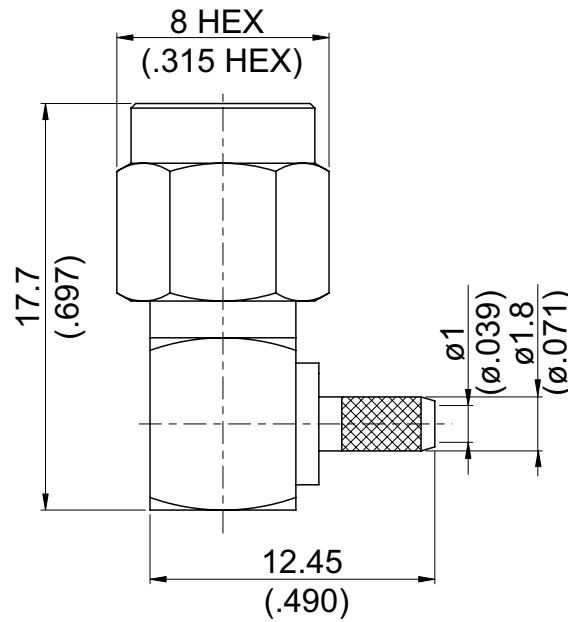


SMA3100-9178

SMA Plug Crimp Right Angle
For RG178, RG178-FEP; 1GHz VSWR 1.25

50Ω

勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力電子(上海) 86-21-34970699
 勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Cover	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renbrock Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
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: 4.8 g

Suitable Cables: RG178, RG196, RG178-FEP

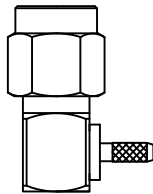
This part number complies with RoHS.

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

SMA	SMA3100-9178
<div data-bbox="169 169 568 217" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with 2.92 & 3.5</p>	
<div data-bbox="169 336 568 385" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 1GHz</p> <p>VSWR ≤ 1.25 (DC to 1GHz)</p> <p>Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB</p> <p>Insulation resistance $\geq 5000\text{M}\Omega$</p> <p>Contact resistance inner conductor $\leq 3\text{m}\Omega$</p> <p>Contact resistance outer conductor $\leq 2\text{m}\Omega$</p> <p>Dielectric withstanding voltage (at sea level) 750 V rms</p> <p>Working voltage (at sea level) 250 V rms</p>	
<div data-bbox="169 885 568 933" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p>Recommended coupling nut torque 4 inch lbs</p> <p>Coupling proof torque 5.3 inch lbs</p> <p>Coupling nut retention force ≥ 60.7 lbs</p> <p>Contact Captivation-axial ≥ 6.1 lbs</p> <p>Durability (mating) ≥ 100</p>	
<div data-bbox="169 1193 568 1241" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p>Temperature range -65°C to +165°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 106</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>	
<div data-bbox="169 1546 568 1594" style="border: 1px solid black; padding: 2px;">Tooling</div> <p>Crimping tool CRT-1 or CRT-2</p> <p>Crimp insert INSERT-A</p>	

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

A



BODY

B



COVER

C



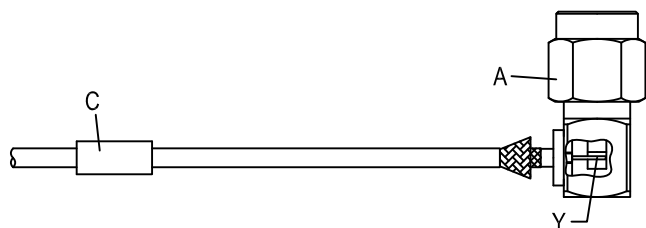
FERRULE

DIAGRAM

ASSEMBLY INSTRUCTION



Step 1: STRIP AS SHOWN.



Step 2: SLIDE FERRULE " C " OVER CABLE.

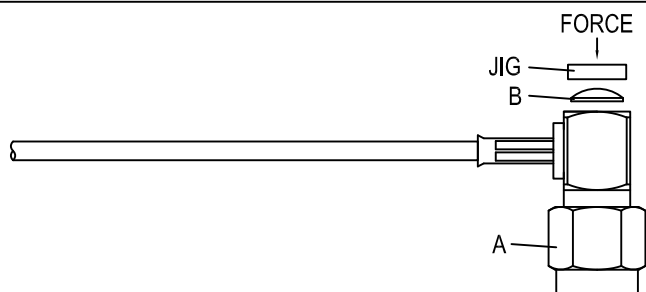
Step 3: WRAP THE BRAIDING UPWARDS.

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: JYBAO reserves the right to make modifications deemed appropriate.

APPROVED

CHECKED

DRAWING

Albert

SMA3100-9178

