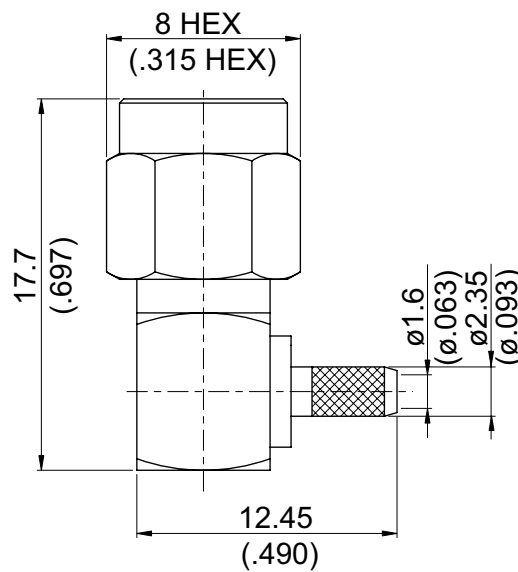


SMA3100-9316	SMA Plug Crimp Right Angle For RG174, RG188, RG316; 6GHz VSWR 1.25	50Ω
--------------	---	------------



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	Gold4 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: RG174, RG188, RG316, RG316-E, RG316-FEP

This part number complies with RoHS.

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

SMA	SMA3100-9316
Interface	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
Electrical Data	
Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≤ 1.25 (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)	750 V rms
Working voltage (at sea level)	250 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-A

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA3100-9316	DATE	2020/04/20	REV	—
--------------	------	------------	-----	---

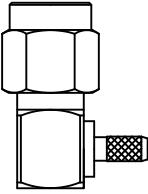



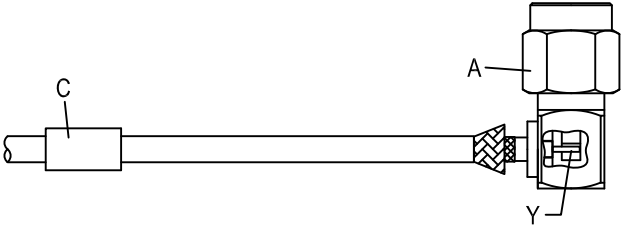
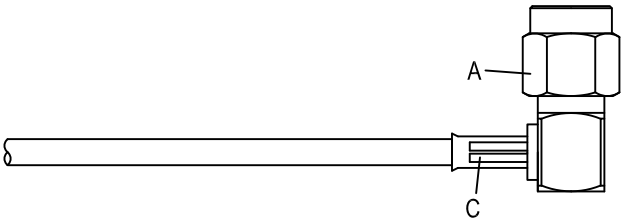
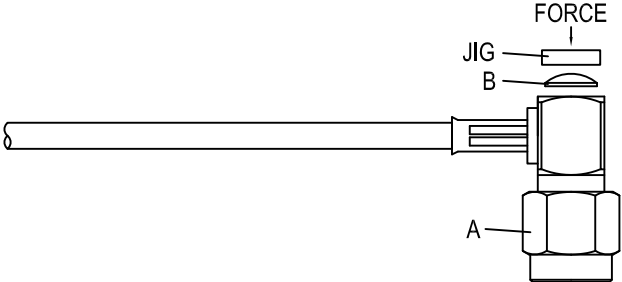
<p>A</p>  <p style="text-align: center;">BODY</p>	<p>B</p>  <p style="text-align: center;">COVER</p>	<p>C</p>  <p style="text-align: center;">FERRULE</p>
--	---	---

DIAGRAM	ASSEMBLY INSTRUCTION
---------	----------------------

	<p>Step 1: STRIP AS SHOWN.</p>
--	--------------------------------

	<p>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 ".</p>
---	---

	<p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)</p>
---	--

	<p>Step 6: PRESS ON THE TOP OF " B " WITH JIGS.</p>
---	---

This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
----------	---------	---------

Albert