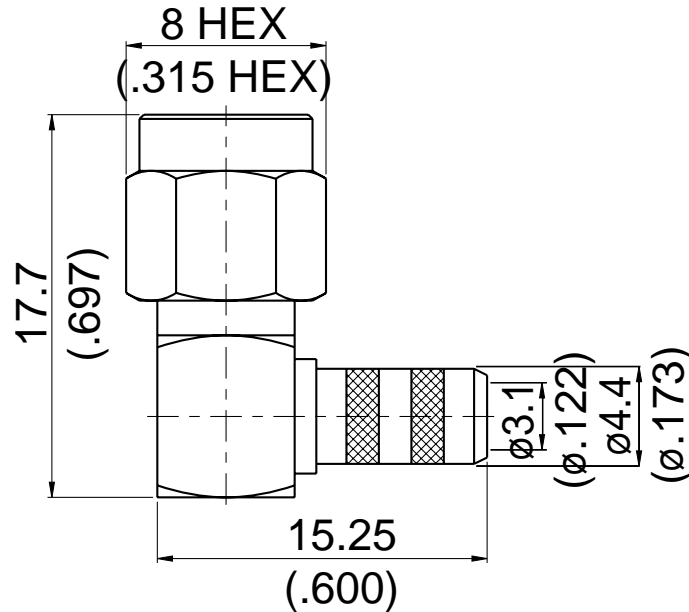


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<http://www.100y.com.tw>

SMA3100-9142

SMA Plug Crimp Right Angle
For RG142, RG400; 11GHz 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	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: 5.72 g

Suitable Cables: RG55, RG142, RG400

This part number complies with RoHS.

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

SMA	SMA3100-9142
Interface	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
Electrical Data	
Impedance	50Ω
Frequency range	DC to 11GHz
VSWR	≤ 1.25 (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

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

CABLE ASSEMBLY INSTRUCTION

SMA3100-9142	DATE	2014/04/29	REV	—
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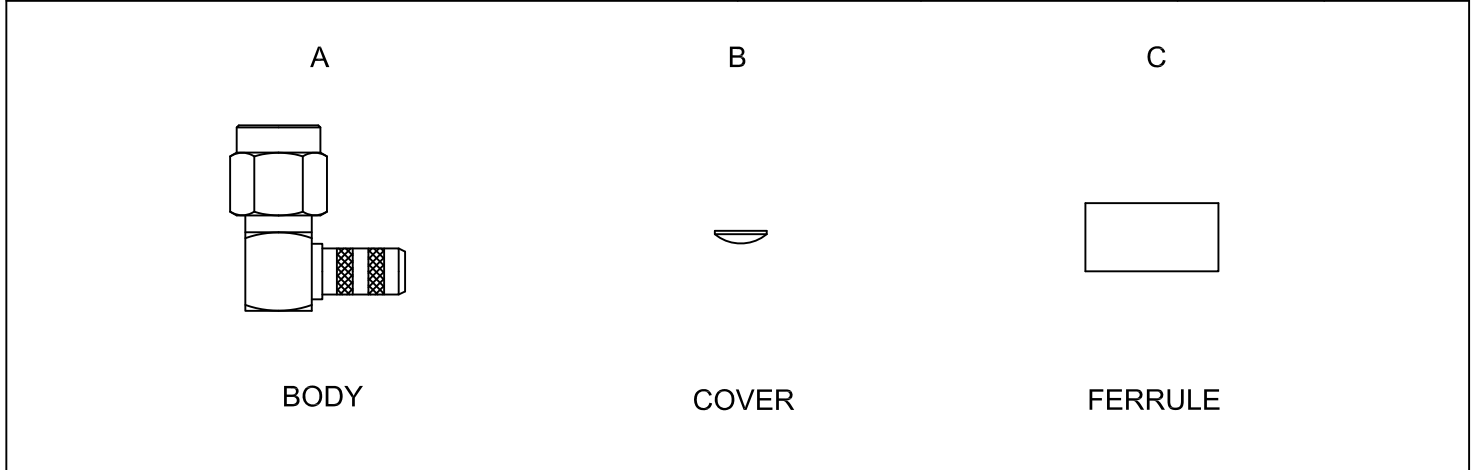
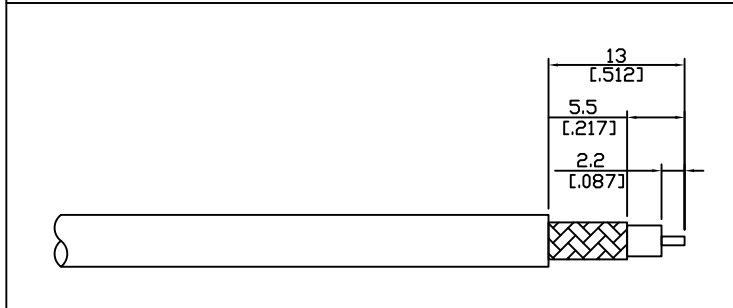
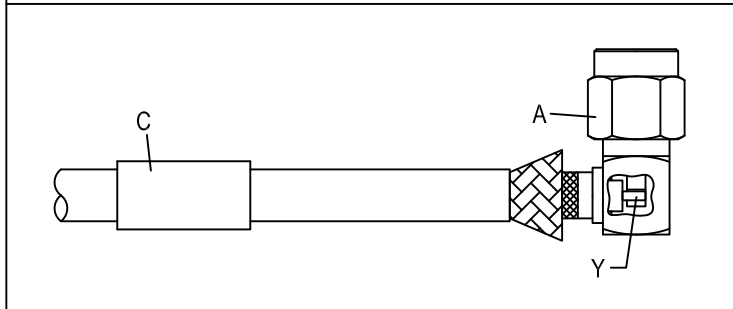


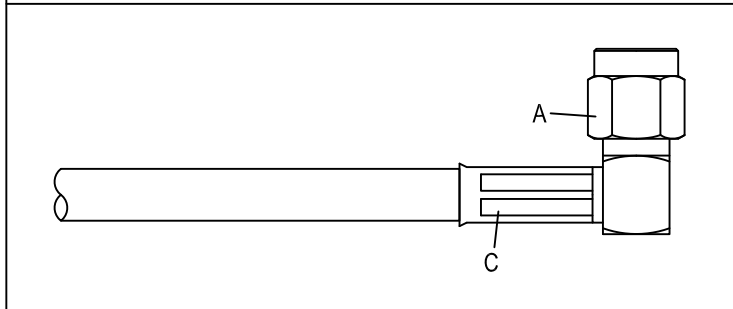
DIAGRAM	ASSEMBLY INSTRUCTION
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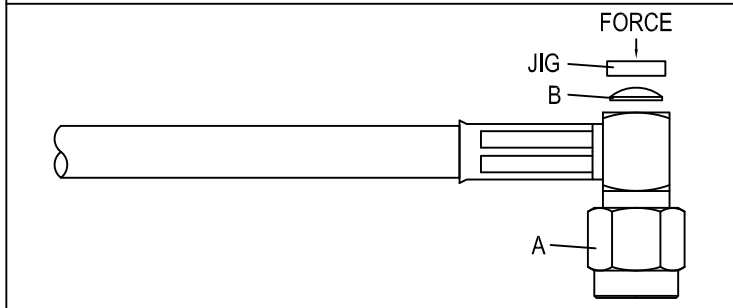
Step 1: STRIP AS SHOWN.



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 5.5mm/0.217inch HEX SECTION OF INSERT-B)



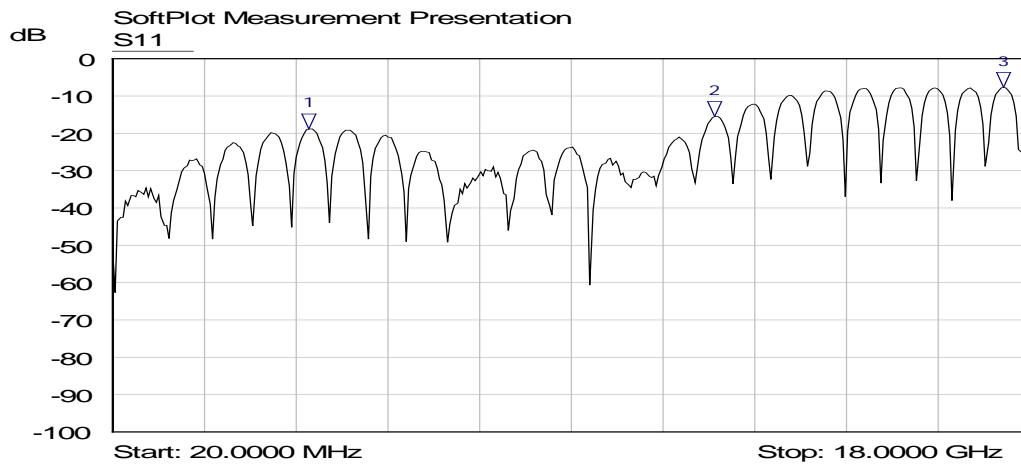
Step 6: PRESS ON THE TOP OF " B " WITH JIGS.

This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
		<i>Albert</i>

SMA3100-9142



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	3.8729 GHz	-18.79 dB	
2 ▽	S11	11.8289 GHz	-15.44 dB	
3 ▽	S11	17.4831 GHz	-7.65 dB	

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