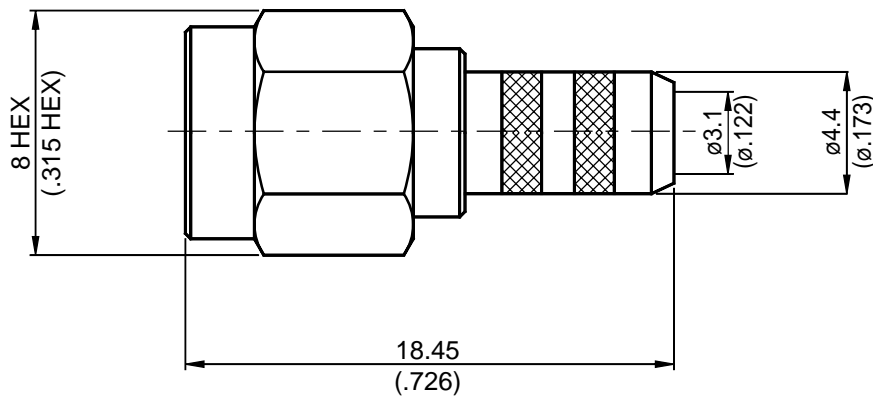


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<http://www.100y.com.tw>

SMA3100-0142

SMA Plug Crimp For RG142, RG400;  
11GHz VSWR 1.25

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Brass	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: 3.88 g

Suitable Cables: RG55, RG142, RG400

This part number complies with RoHS.

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

SMA	SMA3100-0142
<b>Interface</b>	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
<b>Electrical Data</b>	
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
<b>Mechanical Data</b>	
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
<b>Environmental Data</b>	
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
<b>Tooling</b>	
Crimping tool	CRT-1 or CRT-2
Crimp insert	INSERT-B
Soldering gauge	ST-0.3

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

# CABLE ASSEMBLY RECOMMENDATION

SMA3100-0142	DATE	2017/11/01	REV	—
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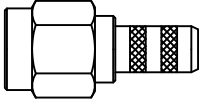

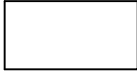

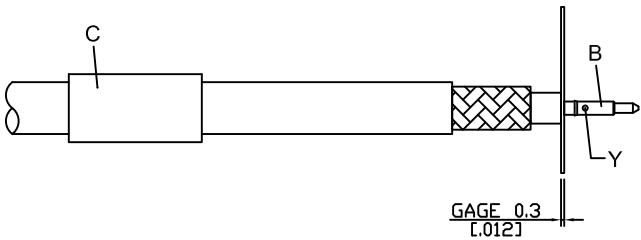
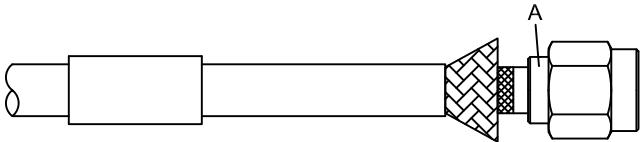
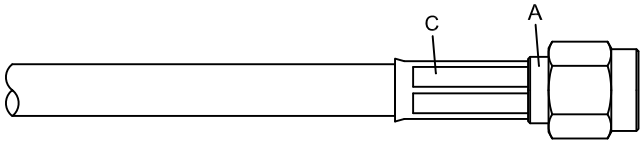
<p>A</p>  <p style="text-align: center;">BODY</p>	<p>B</p>  <p style="text-align: center;">CONTACT PIN</p>	<p>C</p>  <p style="text-align: center;">FERRULE</p>
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DIAGRAM	ASSEMBLY INSTRUCTION
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	<p>Step 1: STRIP AS SHOWN.</p>
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	<p>Step 2: SLIDE FERRULE " C " OVER CABLE.          Step 3: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".</p>
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	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.</p>
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	<p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.          (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)</p>
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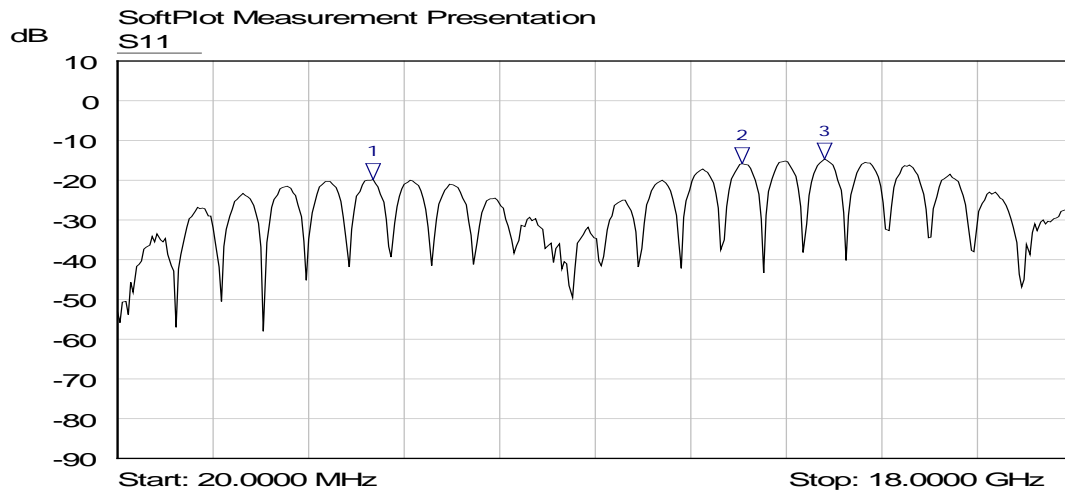
This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
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*Albert*

SMA3100-0142



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	4.8236 GHz	-19.87 dB	
2 ▽	S11	11.7788 GHz	-15.89 dB	
3 ▽	S11	13.3300 GHz	-14.72 dB	

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