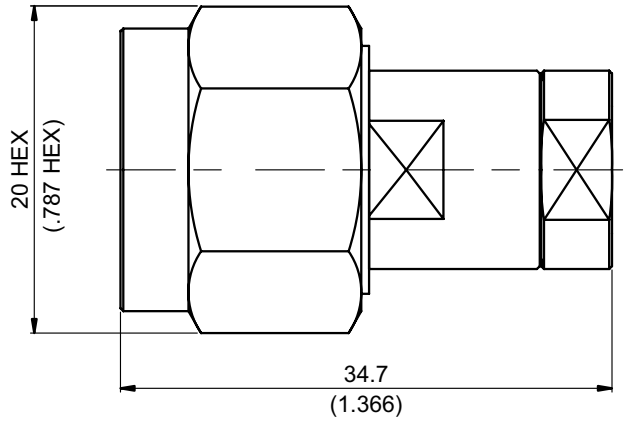
N3200-1/4	N Pug Clamp For 1/4" 11GHz VSWR 1.2	50Ω



NOTE: FOR 1/4" SUPERFLEXIBLE FOAM DIELECTRIC CABLE

Parts	Material	Plating (Micro-inch)
Gasket	Silicon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Contact Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 44.76 g
Suitable Cables: ETS1-50T,FSJ1-50

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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N	N3200-1/4

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 11GHz
VSWR	≦1.2 (DC to 11GHz)
Insertion loss	≦0.05 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦1.5mΩ
Contact resistance outer conductor	≦1mΩ
Dielectric withstanding voltage (at sea level)	2500 V rms
Working voltage (at sea level)	1000 V rms

Mechanical Data

Recommended coupling nut torque	6 to 10 inch lbs
Coupling proof torque	15 inch lbs
Coupling nut retention force	≧101.2 lbs
Contact captivation-axial	≧6.3 lbs
Durability (mating)	≧500

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

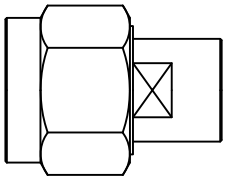
Soldering gauge	ST-0.2

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

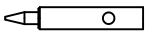
N3200-1/4	DATE	2014/04/29	REV	—

A



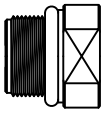
BODY

B

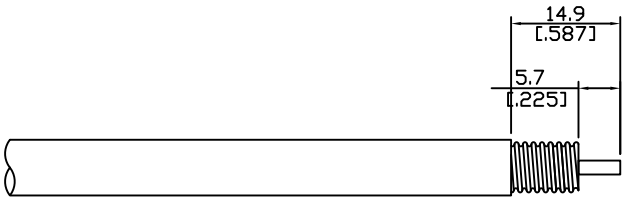
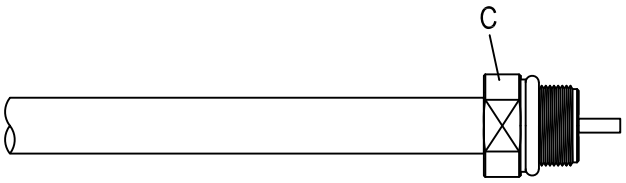
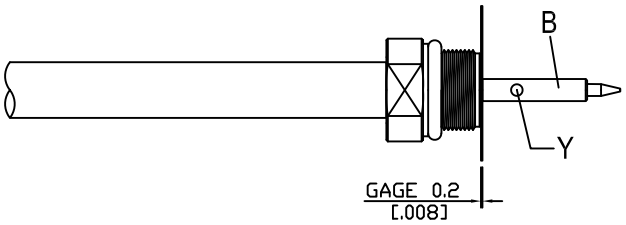
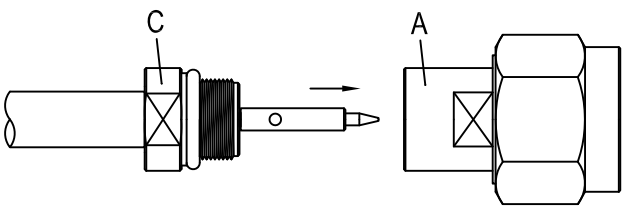


CONTACT PIN

C



CONTACT BODY
+GASKET

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE CONTACT BODY " C " OVER CABLE.
	Step 3: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".
	Step 4: FINALLY SCREW " C " ON THE CONNECTOR BODY " A ".

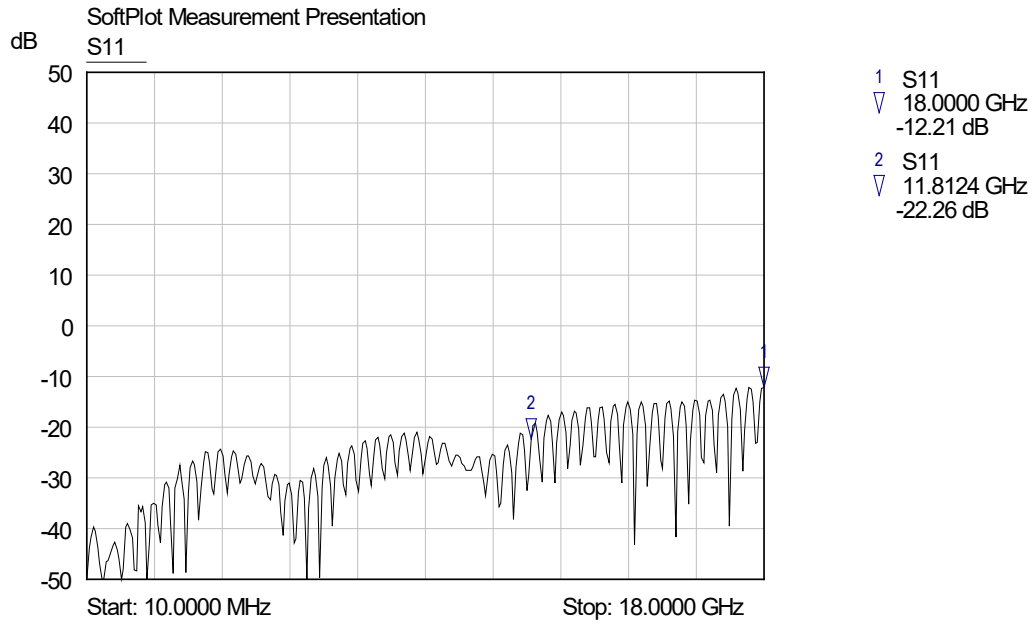
This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
		Albert

N3200-1.4

S11


SoftPlot Measurement Presentation
S11
dB
50
40
30
20
10
0
-10
-20
-30
-40
-50
Start: 10.0000 MHz
Stop: 18.0000 GHz
1 S11
18.0000 GHz
-12.21 dB
2 S11
11.8124 GHz
-22.26 dB