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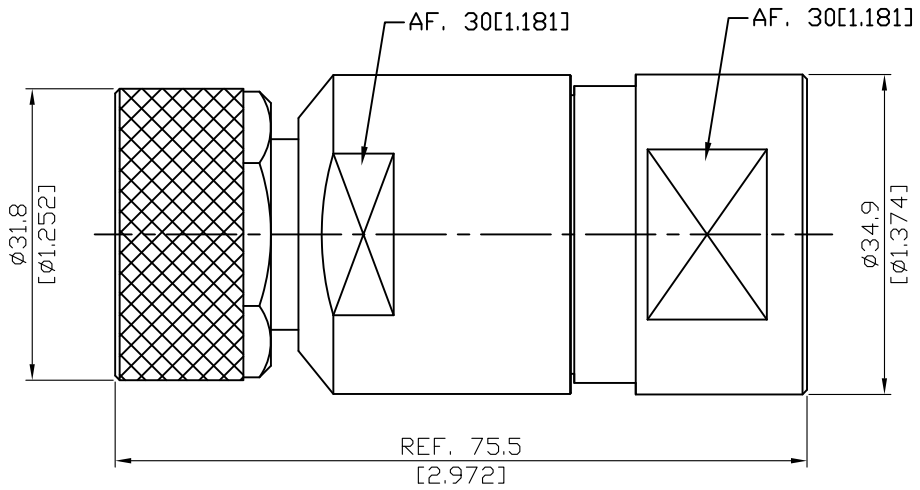
7/16-3200B-7/8A	7/16 Plug Clamp For 7/8" 5GHz VSWR 1.2	50Ω



NOTE : For 7/8”Foam Dielectric Cable

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

Weight: 224.36 g
Suitable Cables: EC5-50 ; LDF5-50A ; RF7/8”BHF

This part number complies with RoHS.

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7/16	7/16-3200B-7/8A

Interface

IEC 60169-4

Electrical Data

Impedance	50Ω
Frequency range	DC to 5GHz
VSWR	≦1.2 (DC to 5GHz)
Insertion loss	≦0.05dB
Insulation resistance	≧10000MΩ
Contact resistance inner conductor	≦0.4mΩ
Contact resistance outer conductor	≦1.5mΩ
Dielectric withstanding voltage (at sea level)	4000 V rms
Working Voltage (at sea level)	2700 V rms
Rf leakage	≧128dB to 1GHz

Mechanical Data

Recommended coupling nut torque	260 inch lbs
Coupling proof torque	310 inch lbs
Coupling nut retention force	≧221 lbs
Contact captivation-axial	≧45 lbs
Durability (mating)	≧500

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method107, Condition B
Moisture resistance	MIL-STD-202, Method106
Corrosion	MIL-STD-202, Method101, Condition B
RoHS	Compliant

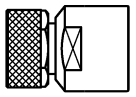
Tooling

SUHNER QUICK-FIT 74 Z-0-23-13
Torque Wrench

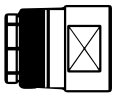
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

7/16-3200B-7/8A	DATE	2018/06/01	REV	—

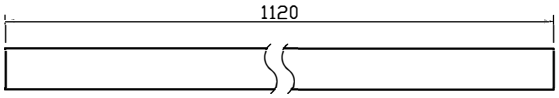
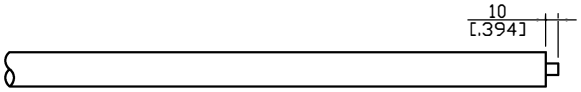
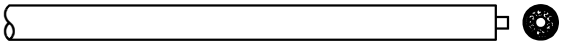
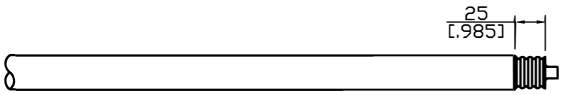
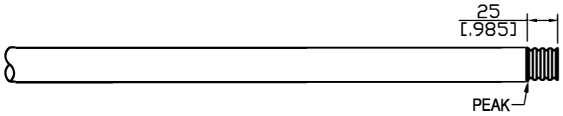
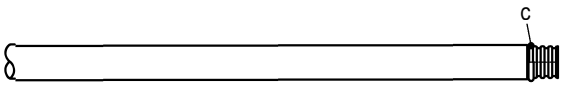
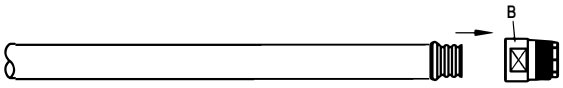
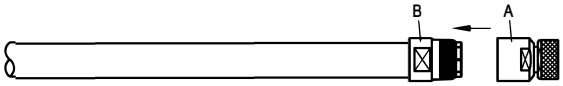
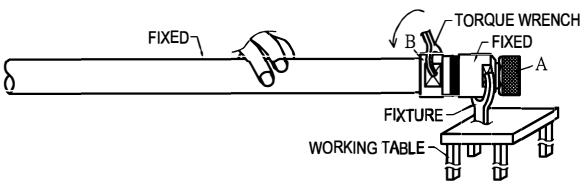
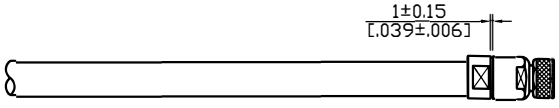


A — BODY



B — CONTACT BODY + GASKET

C — FERRULE

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: Cut cable with saw.
	Step 2: Strip cable jacket 、outer conductor and dielectric with SUHNER QUICK-FIT 74 Z-0-23-13.
	Step 3: Check for any metal shavings on dielectric after stripping.
	Step 4: Strip cable jacket with a sharp blade.
	Step 5: Cut-off the center conductor protruding out off the insulation with a sharp blade. form a chamfered edge on the center conductor to eliminate burrs and sharp edges. Note: no rough edge and shavings remains on the insulation.
	Step 6: Slide gasket " c " over cable.
	Step 7: Insert contact body " B " at a straight angle onto the prepared cable. Do not rotate.
	Step 8: Slowly slide connector body " A " onto contact body " B ". To prevent damaging the contact pin be careful not to rotate " A ".
	Step 9: Set and fix the connector body " A " onto the wrench fixture and hold the cable fixed by hand. Step 10: Use a torque wrench to rotate (clockwise) the contact body " B " while connector body " A " and cable are kept in a fixed position. sufficiently tighten " B " into " A " within the required torque force (27~32.5Nm).
	Step 11: Check if the gap between connector body " A " and contact body " B " is 1.0±0.15mm. After completing the assembly process, endorse the finished product to QC engineering department for final electrical testing.

This part number complies with RoHS.

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

APPROVED	CHECKED	DRAWING
		Albert