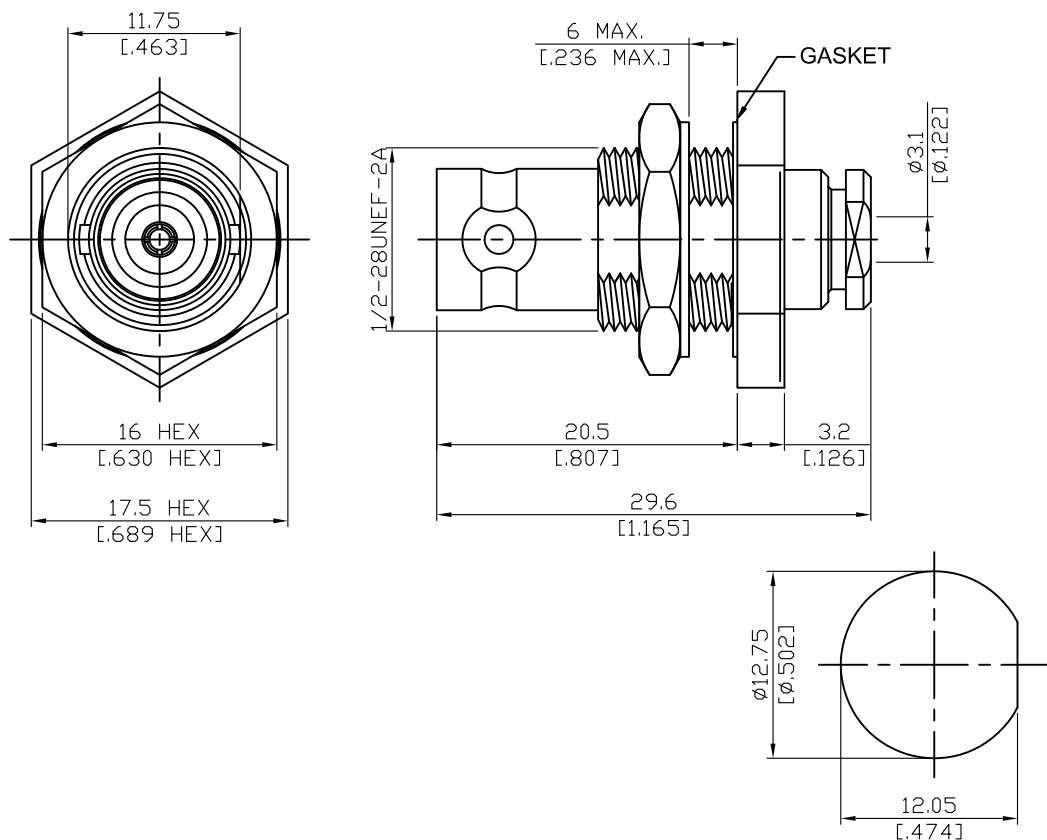


BNC8205-0316/HS

BNC Jack Clamp Bulkhead ;Hermetic;
For RG174,RG188,RG316; 4GHz VSWR 1.2

50Ω



Note: Hermeticity of 1×10^{-6} cc/sec of helium at 1 atm

MOUNTING HOLE

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

Suitable Cables: RG174,RG188,RG316,RG316-FEP,RG316-LSFH

This part number complies with RoHS.

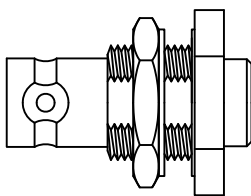
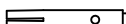
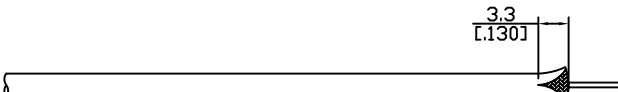
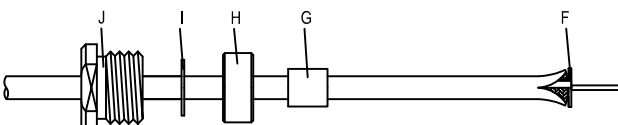
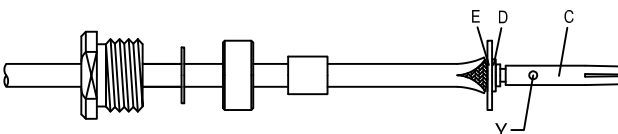
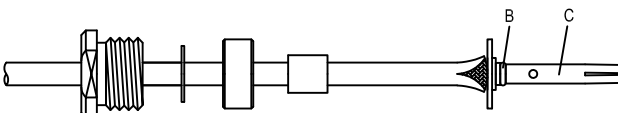
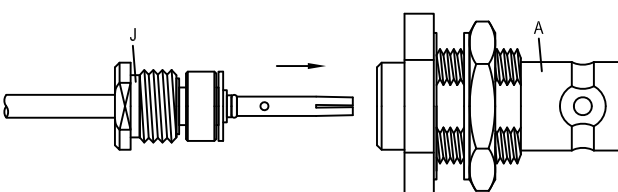
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BNC		BNC8205-0316/HS	
Interface		MIL-STD-348B	
Electrical Data		Impedance 50Ω Frequency range DC to 4GHz VSWR ≤ 1.2 (DC to 4GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$ Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 1.5\text{m}\Omega$ Contact resistance outer conductor $\leq 1\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data		Recommended coupling nut torque 0.6 to 2.5 inch lbs Contact captivation-axial ≥ 6.1 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			

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

BNC8205-0316/HS				DATE	2021/08/10		REV	—	
A	B	C	D	E	F	G	H	I	J
									
BODY + GASKET + WASHER + HEX NUT	GASKET	CONTACT PIN	INSULATOR	WASHER	TOP HAT	GASKET	FERRULE	WASHER	NUT
DIAGRAM				ASSEMBLY INSTRUCTION					
				Step 1: STRIP AS SHOWN.					
				Step 2: MAKE A 3.3MM LONG CUT IN THE JACKET WITHOUT DAMAGING THE BRAIDING.					
				Step 3: SLIDE NUT "J" 、 WASHER "I" 、 FERRULE "H" AND GASKET "G" OVER CABLE. Step 4: SLIDE TOP HAT "F" BETWEEN BRAIDING AND DIELECTRIC.					
				Step 5: SLIDE PREPARED CABLE INTO WASHER "E". Step 6: PUT INSULATOR "D" AND CONTACT PIN "C" ON CENTER CONDUCTOR AND SOLDER IN "Y".					
				Step 7: PUT GASKET "B" ON CONTACT PIN "C".					
				Step 8: FINALLY SCREW NUT "J" 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			

BNC8205-0316/HS

S11

