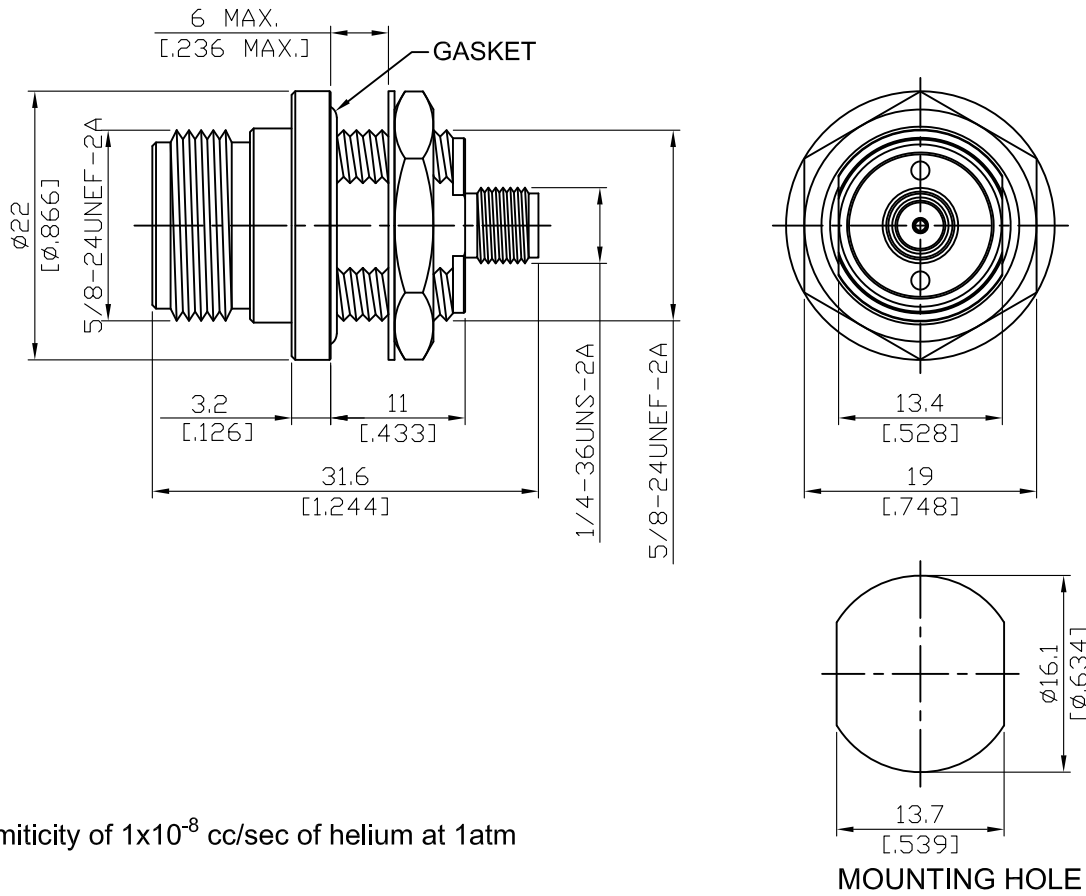


AD-N8A8-BF-GB/18

Hermetic 1×10^{-8} cc/sec of helium at 1atm
N jack to SMA jack bulkhead; 18GHz VSWR 1.35 50Ω



Hermiticity of 1×10^{-8} cc/sec of helium at 1atm

Parts	Material	Plating (Micro-inch)
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Lock Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Glass Bead	Kovar+Glass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

AD-N8A8-BF-GB/18	Hermetic 1×10^{-8} cc/sec of helium at 1atm N jack to SMA jack bulkhead; 18GHz VSWR 1.35	
Interface Standard Mechanically compatible with	SMA MIL-STD-348B 2.92 & 3.5	N MIL-STD-348B
Electrical Data Impedance Frequency Range VSWR Insertion Loss Insulation Resistance Dielectric Withstanding Voltage (at sea level) Working Voltage (at sea level)	50Ω DC To 18GHz ≤ 1.35 (DC To 18GHz) $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB $\geq 5000\text{M}\Omega$ 1500 V rms 500 V rms	
Mechanical Data Recommended Coupling Nut Torque Coupling Proof Torque Contact Captivation-axial Durability (mating)	SMA 4 in-lbs 5.3 in-lbs ≥ 6.1 lbs ≥ 100	N 6 to 10 in-lbs 15 in-lbs ≥ 6.3 lbs ≥ 500
Environmental Data Temperature Range Thermal Shock Moisture Resistance Corrosion RoHS	-65°C to +165°C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 206 MIL-STD-202, Method 101, Condition B Compliant	