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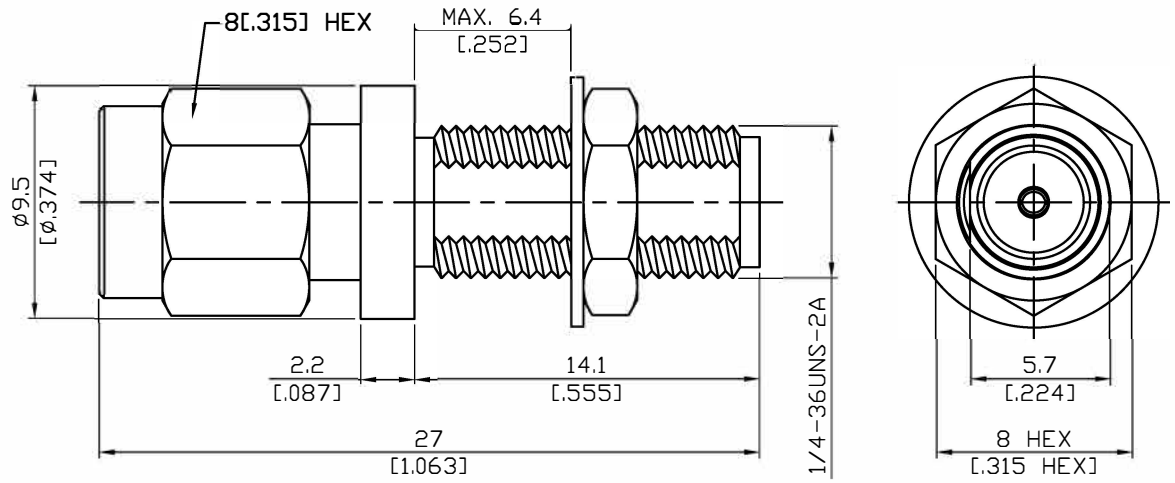
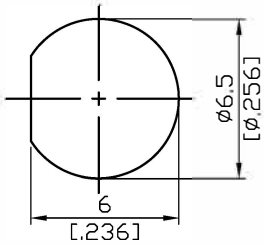
AD-A3A8-BFB	SMA Plug to SMA Jack Bulkhead 27GHz VSWR 1.2	50Ω





MOUNTING HOLE

Parts	Material	Plating (Micro-inch)
Hex Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
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
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

This part number complies with RoHS.

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AD-A3A8-BFB	**SMA Plug TO SMA Jack Bulkhead 27GHz VSWR 1.2**

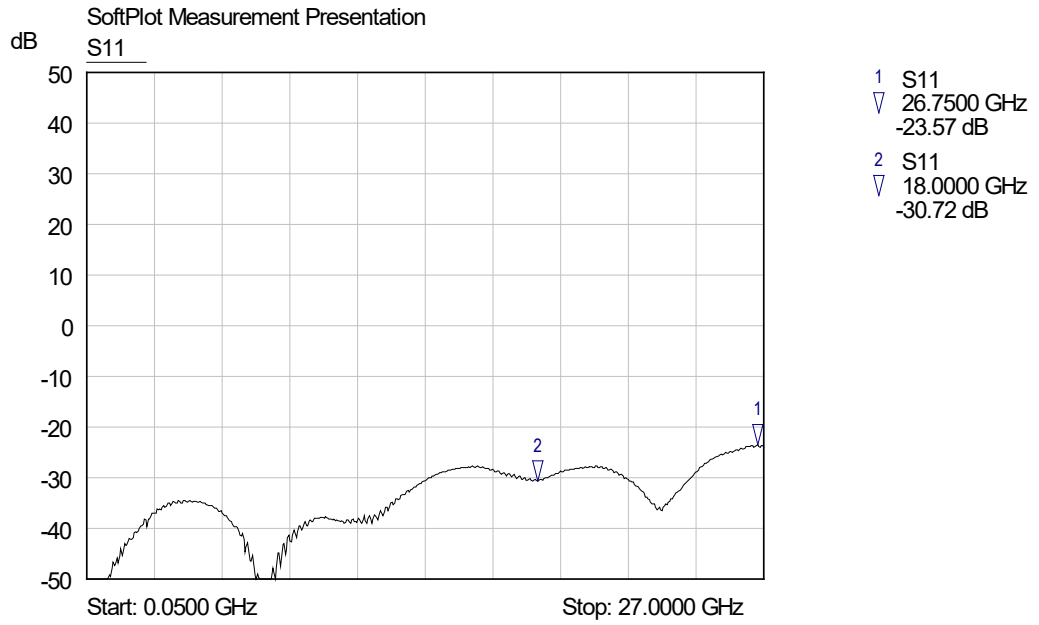
Interface	
Standard	MIL-STD-348B
Mechanically compatible with	2.92 & 3.5

Electrical Data	
Impedance	50Ω
Frequency Range	DC To 27GHz
VSWR	≦1.2 (DC To 27GHz)
Insertion Loss	≦0.04 x $\sqrt{f}$(GHz) dB
Insulation Resistance	≧5000MΩ
Dielectric Withstanding Voltage (at sea level)	1500 V rms
Working Voltage (at sea level)	500 V rms

Mechanical Data	
Recommended Coupling Nut Torque	4 in-lbs
Coupling Proof Torque	5.3 in-lbs
Coupling Nut Retention Force	≧60.7 lbs
Contact Captivation-axial	≧6.1 lbs
Durability (mating)	≧100

Environmental Data	
Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Moisture Resistance	MIL-STD-202, Method 206
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

AD-A3A8-BFB


SoftPlot Measurement Presentation
dB
S11
50
40
30
20
10
0
-10
-20
-30
-40
-50
1
2
Start: 0.0500 GHz
Stop: 27.0000 GHz
1 S11
26.7500 GHz
-23.57 dB
2 S11
18.0000 GHz
-30.72 dB