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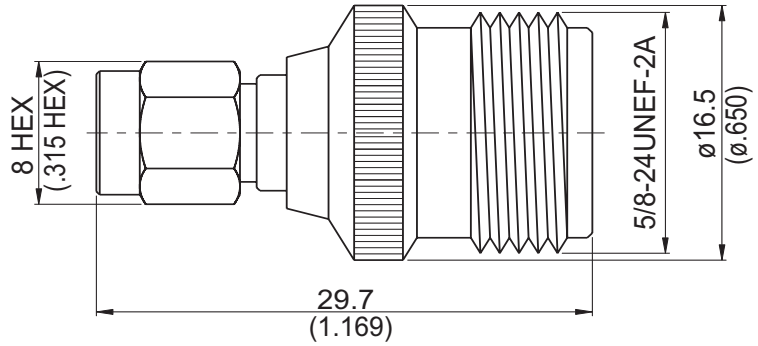
AD-A3N8/HDPE	SMA Plug To N Jack; Radiation Resistant; 7GHz VSWR 1.25	**50Ω**



Parts	Material	Plating (Micro-inch)
Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body(N)	Brass	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	HDPE	
Body(SMA)	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut(SMA)	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 20.84 g

This part number complies with RoHS.

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AD-A3N8/HDPE	SMA Plug To N Jack; Radiation Resistant; 7GHz VSWR 1.25

Interface

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

Electrical Data

Impedance	50Ω
Frequency Range	DC To 7GHz
VSWR	≦1.25 (DC To 7GHz)
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

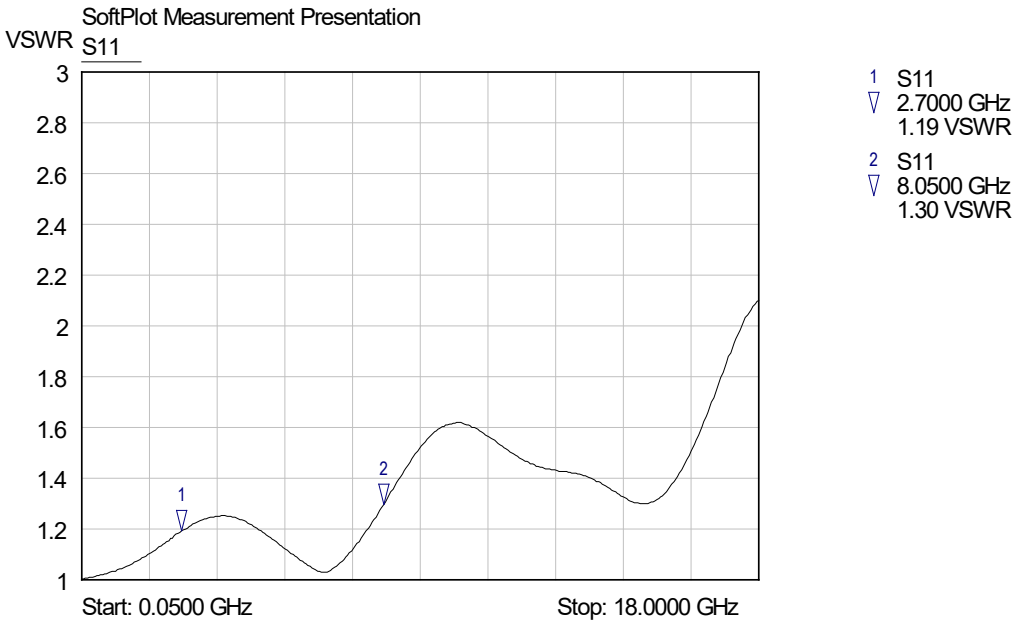
Mechanical Data

	SMA	N
Recommended Coupling Nut Torque	4 in-lbs	6 to 10 in-lbs
Coupling Proof Torque	5.3 in-lbs	15 in-lbs
Coupling Nut Retention Force	≧60.7 lbs	NA
Contact Captivation-axial	≧6.1 lbs	≧6.3 lbs
Durability (mating)	≧100	≧500

Environmental Data

Temperature Range	-50°C to +80°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-A3N8/HDPE


SoftPlot Measurement Presentation
VSWR
S11
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
1
2
Start: 0.0500 GHz
Stop: 18.0000 GHz
1 S11
2.7000 GHz
1.19 VSWR
2 S11
8.0500 GHz
1.30 VSWR