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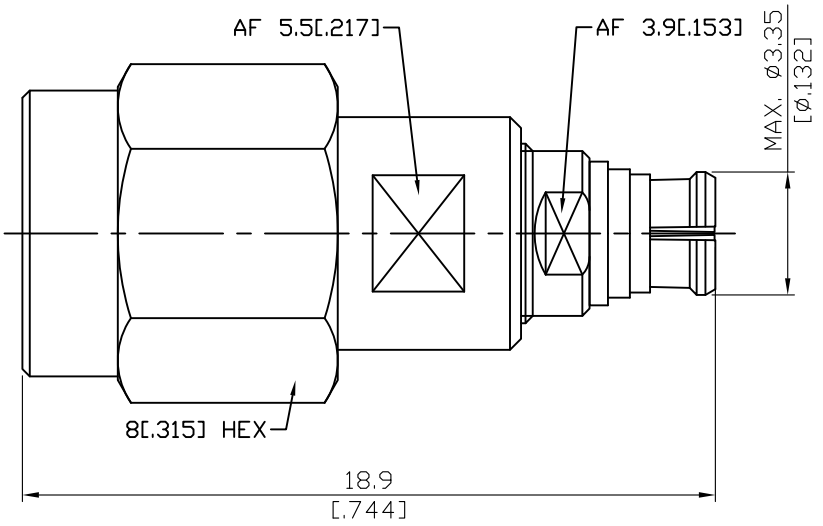
ADS-A3P8-27-1.2	SMA Plug To SMP Jack 27GHz VSWR 1.2	50Ω



Parts	Material	Plating (Micro-inch)
Retainer Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Ring	Brass	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 (SMA)	Teflon	
Insulator (SMP)	PPO	
Coupling Nut	Stainless Steel	Passivated
Body(SMA)	Stainless Steel	Passivated
Body(SMP)	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

This part number complies with RoHS.

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ADS-A3P8-27-1.2	SMA Plug To SMP Jack 27GHz VSWR 1.2

Interface

	SMA	SMP
Standard	MIL-STD-348B	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	≦0.06 x $\sqrt{f}$(GHz) dB
Insulation Resistance	≧5000MΩ
Dielectric Withstanding Voltage (at sea level)	500 V rms
Working Voltage (at sea level)	335 V rms

Mechanical Data

	SMA	SMP		
		Full detent	Limited detent	Smooth bore Catchers Mit
Recommended Coupling Nut Torque	7 to 9.5 in-lbs	NA	NA	NA
Coupling Proof Torque	15 in-lbs	NA	NA	NA
Coupling Nut Retention Force	≧60.7 lbs	NA	NA	NA
Contact Captivation-axial	≧6.1 lbs	NA	NA	NA
Durability (mating)	≧500	≧100	≧500	≧1000
Engagement Force	NA	≦15 lbs	≦10 lbs	≦2 lbs
Disengagement Force	NA	≧5 lbs	≧2 lbs	≧0.5 lbs
Axial Misalignment	NA	+0.00/-0.25(+.000/-.010)		
Radiall Misalignment	NA	+/-0.25(0.010)		

Environmental Data

Temperature Range	-55°C to +105°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