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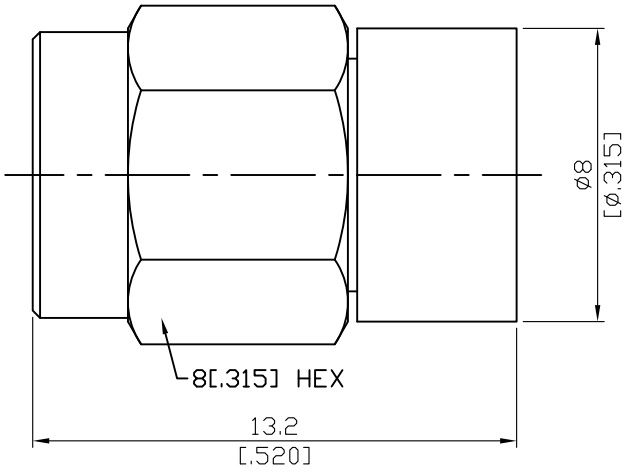
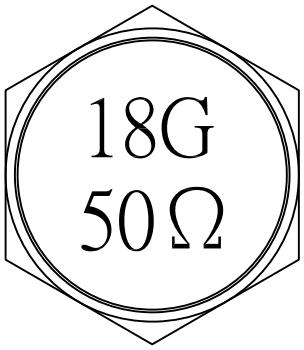
SMA3900S-0018	2 Watt 50ohm SMA Plug Termination 6GHz VSWR 1.1; 12.4GHz VSWR 1.15;18GHz VSWR 1.2	50Ω





2W average power from -55°C to +70°C linearly derated to 1 Watt at 165°C

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

Weight: 3.85g

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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SMA	SMA3900S-0018

Interface

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

Electrical Data

Impedance	50Ω
Frequency range	DC to 18GHz
VSWR	≦1.1 (6GHz); ≦1.15 (12.4GHz) ≦1.2 (18GHz)
Insertion loss	$\leqq 0.04 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦3mΩ
Contact resistance outer conductor	≦2mΩ
Dielectric withstanding voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms

Mechanical Data

Recommended coupling nut torque	7 to 9.5 inch lbs
Coupling proof torque	15 inch lbs
Coupling nut retention force	≧60.7 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

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