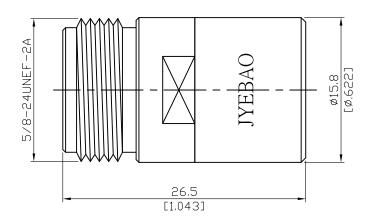


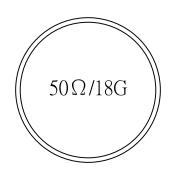
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N8900S-0018

2 Watt 50ohm N Jack Termination
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)
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Stainless Steel	Passivated

Impedance $50Ω$ Frequency range DC to $18GHz$ VSWR ≤ 1.2 (DC to $18GHz$) Insertion loss ≤ $0.05 \times \sqrt{f(GHz)} dB$ Insulation resistance ≥ $5000MΩ$ Contact resistance inner conductor ≤ $1.5mΩ$ Contact resistance outer conductor ≤ $1mΩ$ Dielectric withstanding voltage (at sea level) 2500 V rms Working voltage (at sea level) 1000 V rms Mechanical Data 15 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.3 lbs Durability (mating) ≥ 500	
Impedance $50Ω$ Frequency range DC to $18GHz$ VSWR ≤ 1.2 (DC to $18GHz$) Insertion loss ≤ $0.05 \times \sqrt{f(GHz)} dB$ Insulation resistance ≥ $5000MΩ$ Contact resistance inner conductor ≤ $1.5mΩ$ Contact resistance outer conductor ≤ $1mΩ$ Dielectric withstanding voltage (at sea level) 2500 V rms Working voltage (at sea level) 1000 V rms Mechanical Data 15 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.3 lbs Durability (mating) ≥ 500	
Frequency range VSWR $\leq 1.2 (\text{DC to 18GHz})$ Insertion loss $\leq 0.05 \text{x} \sqrt{f(\text{GHz})} dB$ Insulation resistance $\geq 5000 \text{M}\Omega$ Contact resistance inner conductor $\leq 1.5 \text{m}\Omega$ Contact resistance outer conductor $\leq 1.5 \text{m}\Omega$ Dielectric withstanding voltage (at sea level) $\geq 5000 \text{V rms}$ Working voltage (at sea level) $\geq 1000 \text{V rms}$ Mechanical Data Recommended coupling nut torque $\geq 1000 \text{V rms}$ Coupling proof torque $\geq 1000 \text{V rms}$ Coupling nut retention force $\geq 1000 \text{V rms}$ Coupling nut retention force $\geq 1000 \text{V rms}$ Durability (mating) $\geq 5000 \text{V rms}$	
VSWR $≤ 1.2 \text{ (DC to 18GHz)}$ Insertion loss $≤ 0.05 \text{ x} \sqrt{\text{f(GHz)}} \text{ dB}$ Insulation resistance $≥ 5000 \text{M}\Omega$ Contact resistance inner conductor $≤ 1.5 \text{m}\Omega$ Contact resistance outer conductor $≤ 1 \text{m}\Omega$ Dielectric withstanding voltage (at sea level) $≤ 500 \text{ V rms}$ Working voltage (at sea level) $≤ 500 \text{ V rms}$ Mechanical Data Recommended coupling nut torque $≤ 500 \text{ V rms}$ Coupling proof torque $≤ 500 \text{ V rms}$ Coupling nut retention force $≤ 500 \text{ V rms}$ Contact captivation-axial $≤ 6.3 \text{ lbs}$ Durability (mating) $≤ 500 \text{ Contact}$	
Insertion loss $≤ 0.05 \times \sqrt{f(GHz)} dB$ Insulation resistance $≥ 5000MΩ$ Contact resistance inner conductor $≤ 1.5mΩ$ Contact resistance outer conductor $≤ 1mΩ$ Dielectric withstanding voltage (at sea level) 2500 V rms Working voltage (at sea level) 1000 V rms Mechanical Data $≤ 1000 \text{ V rms}$ Recommended coupling nut torque $≤ 100 \text{ V rms}$ Coupling proof torque $≤ 100 \text{ V rms}$ Coupling nut retention force $≤ 100 \text{ V rms}$ Contact captivation-axial $≤ 6.3 \text{ lbs}$ Durability (mating) $≤ 500 \text{ V rms}$	
Insulation resistance ≥ 5000 MΩ Contact resistance inner conductor ≤ 1.5 mΩ Contact resistance outer conductor ≤ 1 mΩ Dielectric withstanding voltage (at sea level) 2500 V rms Working voltage (at sea level) 1000 V rms Mechanical Data 6 to 10 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.3 lbs Durability (mating) ≥ 500	
Contact resistance inner conductor $ \leq 1.5 m\Omega $ $ \leq 1 m\Omega $ Dielectric withstanding voltage (at sea level) $ 2500 \text{ V rms} $ Working voltage (at sea level) $ 1000 \text{ V rms} $ $ \frac{\text{Mechanical Data}}{\text{Recommended coupling nut torque}} $ Recommended coupling nut torque $ 15 \text{ inch lbs} $ Coupling proof torque $ 15 \text{ inch lbs} $ Coupling nut retention force $ \geq 101.2 \text{ lbs} $ Contact captivation-axial $ \geq 6.3 \text{ lbs} $ Durability (mating) $ \geq 500 $	
Contact resistance outer conductor	
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Mechanical Data Recommended coupling nut torque Coupling proof torque Coupling nut retention force Contact captivation-axial Durability (mating) $6 \text{ to } 10 \text{ inch lbs}$ 15 inch lbs 101.2 lbs	
Recommended coupling nut torque6 to 10 inch lbsCoupling proof torque15 inch lbsCoupling nut retention force ≥ 101.2 lbsContact captivation-axial ≥ 6.3 lbsDurability (mating) ≥ 500	
Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.3 lbs Durability (mating) ≥ 500	
Coupling nut retention force	
Contact captivation-axial	
Durability (mating) ≥500	
Environmental Data	
Temperature range -55°C to +165°C	
Thermal shock MIL-STD-202, Method 107, Co	ndition B
Moisture resistance MIL-STD-202, Method 106	
Corrosion MIL-STD-202, Method 101, Co	ndition B
RoHS Compliant	
Tooling	

Notice: JYEBAO reserves the right to make modifications deemed appropriate.