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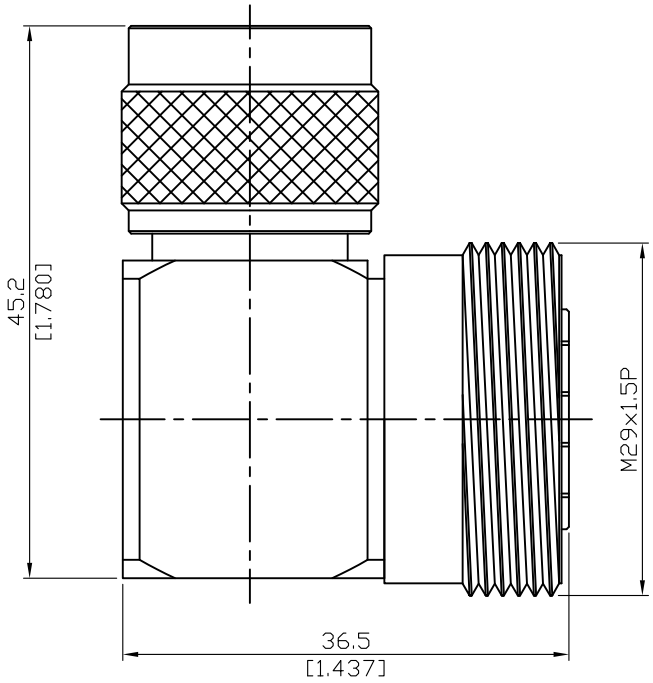
AL-N3DI8	N Plug to 7/16 Jack Right Angle 1.8GHz VSWR 1.2	50Ω



Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin (N)	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin (7/16)	Phosphor Bronze	Silver 150 Over Copper 50
Insulator	Teflon	
Retainer Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	

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

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AL-N3DI8	N Plug to 7/16 Jack Right Angle 1.8GHz VSWR 1.2

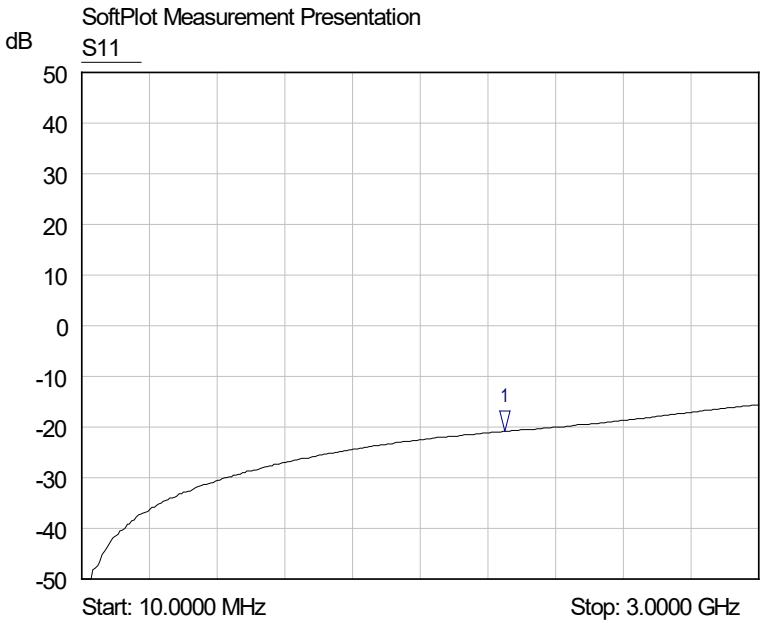
Interface	7/16	N
Standard	IEC 60169-4	MIL-STD-348B

Electrical Data	
Impedance	50Ω
Frequency Range	DC To 1.8GHz
VSWR	≦1.2 (DC To 1.8GHz)
Insertion Loss	≦0.07 x $\sqrt{f}$(GHz) dB
Insulation Resistance	≧5000MΩ
Dielectric Withstanding Voltage (at sea level)	2500 V rms
Working Voltage (at sea level)	1000 V rms

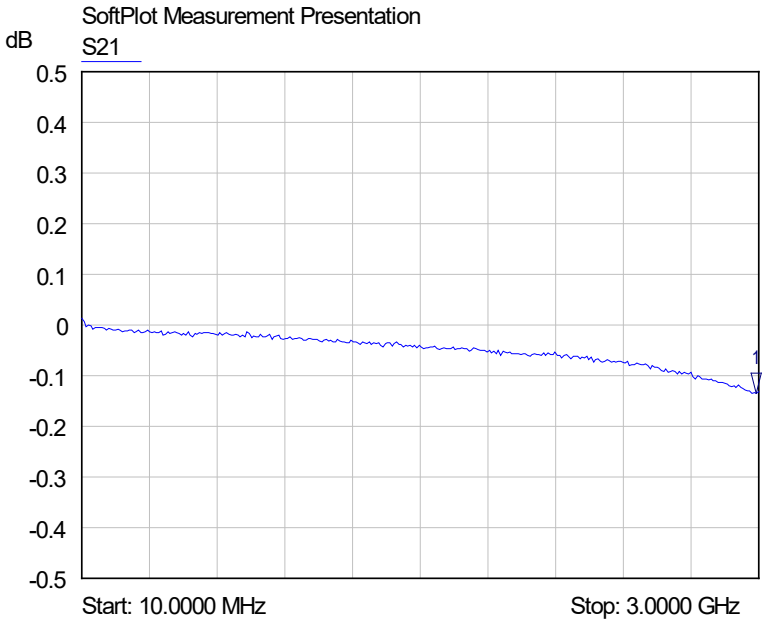
Mechanical Data	7/16	N
Recommended Coupling Nut Torque	260 in-lbs	6 to 10 in-lbs
Coupling Proof Torque	310 in-lbs	15 in-lbs
Coupling Nut Retention Force	NA	≧101.2 lbs
Contact Captivation-axial	≧45 lbs	≧6.3 lbs
Durability (mating)	≧500	≧500

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

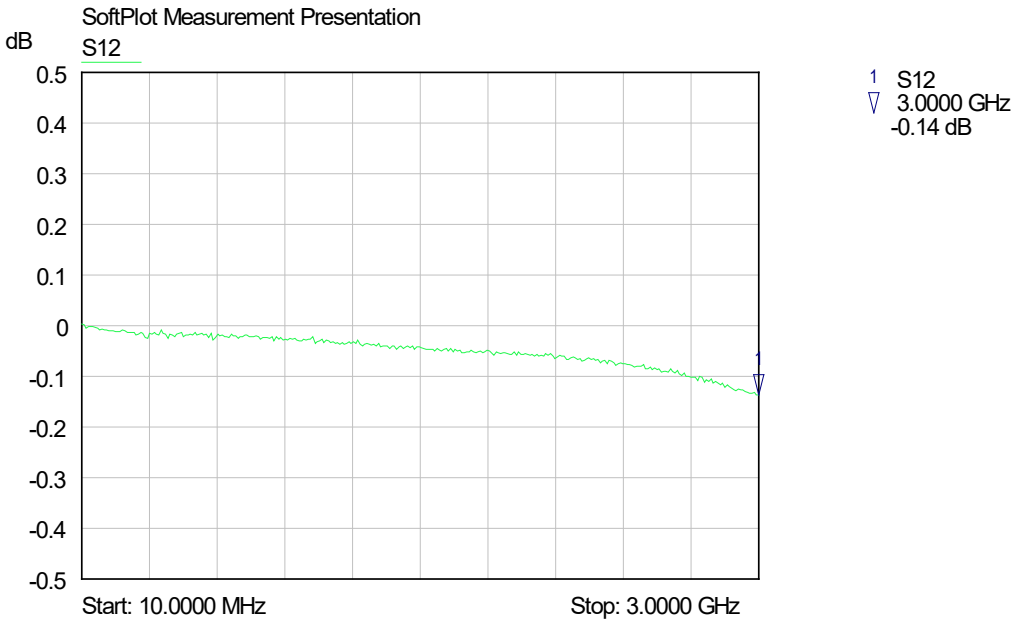
AL-N3DI8

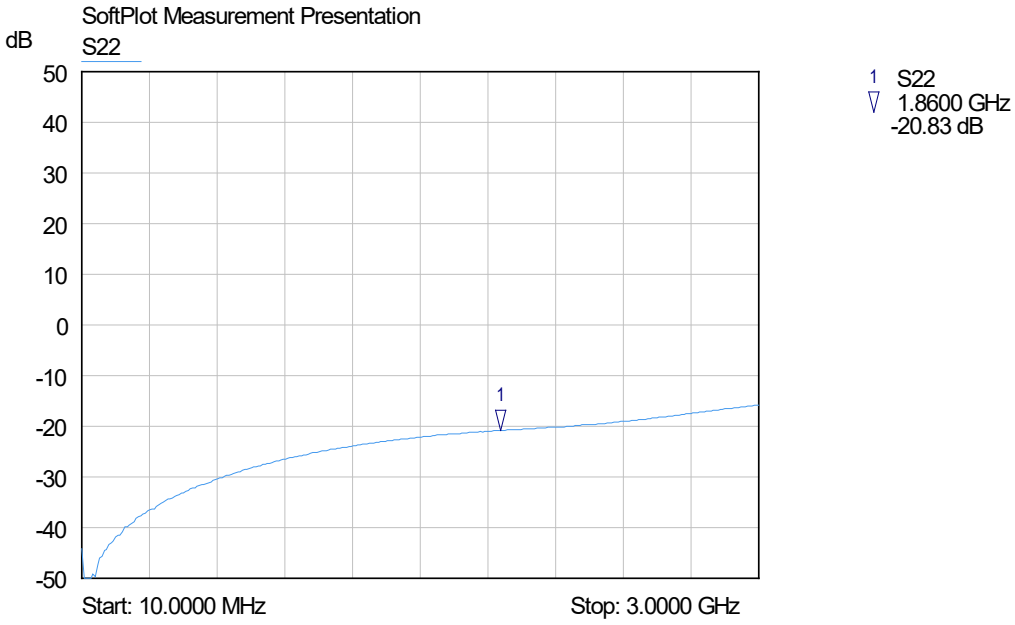


1 S11
1.8800 GHz
-20.83 dB



1 S21
2.9900 GHz
-0.13 dB


SoftPlot Measurement Presentation
dB
S12
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
Start: 10.0000 MHz
Stop: 3.0000 GHz
1
S12
3.0000 GHz
-0.14 dB


SoftPlot Measurement Presentation
dB
S22
50
40
30
20
10
0
-10
-20
-30
-40
-50
Start: 10.0000 MHz
Stop: 3.0000 GHz
1
S22
1.8600 GHz
-20.83 dB