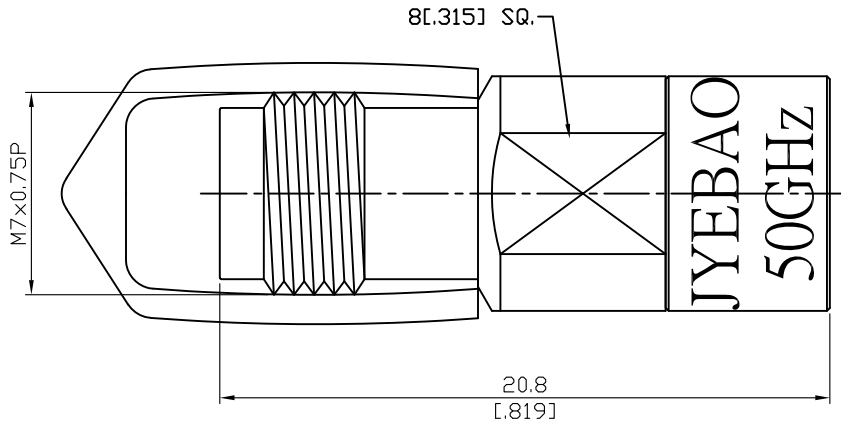


L-2.4-F-50G

2.4mm Jack 50ohm Termination
50GHz 22dB

50Ω



LOAD		
FREQUENCY RANGE	DC-50GHz	
IMPEDANCE	50Ω	
DC RESISTANCE	50±0.25Ω	
MAX POWER	0.25W	
RETURN LOSS	DC-4GHz	≥ 36dB
	4-20GHz	≥ 30dB
	20-26.5GHz	≥ 26dB
	26.5-50GHz	≥ 22dB

Notes:

1. Temperature range for optimal results: +20 °C to +26 °C
2. Storage temperature range: -20 °C to +75°C
3. When not in use put on cap to keep connector clean
4. Return loss test results shipped along with goods

Parts	Material	Plating (Micro-inch)
Cover	Aluminium	Anodized(Green)
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	PPO	
Body	Stainless Steel	Passivated
Cap	PVC	

This part number complies with RoHS.

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

2.4	L-2.4-F-50G
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> MIL-STD-348B Mechanically compatible with 1.85	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance 50Ω Frequency range DC to 50GHz Return loss $\geq 36\text{dB}$ (DC to 4GHz); $\geq 30\text{dB}$ (4-20GHz); $\geq 26\text{dB}$ (20-26.5GHz); $\geq 22\text{dB}$ (26.5-50GHz) Insertion loss $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 4\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (sea level) 500V rms Working voltage (sea level) 150V rms RF leakage $\geq 100\text{dB}$ to 1GHz	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended coupling nut torque 7.08 to 9.74 inch lbs Coupling proof Torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact captivation-axial ≥ 4.5 lbs Durability (mating) ≥ 500	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature range -55°C to +105°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	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div>	

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