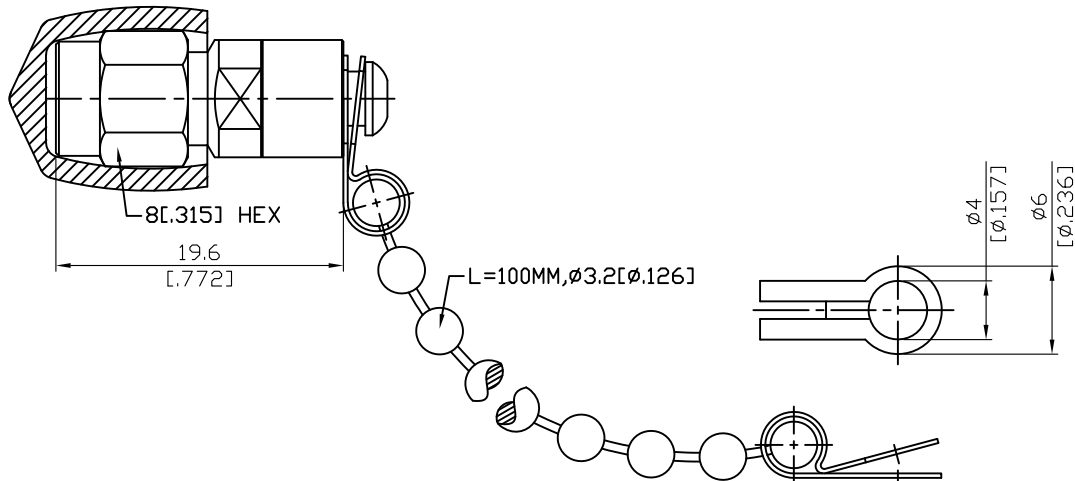


2.4-3980S-0050-1.2

1 Watt 2.4mm Plug Termination
With Chain; 50GHz VSWR 1.2:1

50Ω



1 W Average Power From -40°C to 70°C Linearly Derated To 0.7 Watt at 105°C

Parts	Material	Plating (Micro-inch)
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Back Cover	Aluminum	Anodized (Green)
Chain	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Rivet	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Free Reed	Stainless Steel	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Cap	PVC	

This part number complies with RoHS.

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

2.4	2.4-3980S-0050-1.2
<div data-bbox="113 327 513 376" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with 1.85</p>	
<div data-bbox="113 490 513 539" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 50GHz</p> <p>VSWR ≤ 1.2 (DC to 50GHz)</p> <p>Insertion loss $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB</p> <p>Insulation resistance $\geq 5000\text{M}\Omega$</p> <p>Contact resistance inner conductor $\leq 4\text{m}\Omega$</p> <p>Contact resistance outer conductor $\leq 2.5\text{m}\Omega$</p> <p>Dielectric withstanding voltage (sea level) 500V rms</p> <p>Working voltage (sea level) 150V rms</p> <p>RF leakage $\geq 100\text{dB}$ to 1GHz</p>	
<div data-bbox="113 1084 513 1133" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p>Recommended coupling nut torque 7.08 to 9.74 inch lbs</p> <p>Coupling proof Torque 15 inch lbs</p> <p>Coupling nut retention force ≥ 60.7 lbs</p> <p>Contact captivation-axial ≥ 4.5 lbs</p> <p>Durability (mating) ≥ 500</p>	
<div data-bbox="113 1438 513 1487" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p>Temperature range -40°C to +105°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 106</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>	
<div data-bbox="113 1792 513 1841" style="border: 1px solid black; padding: 2px;">Tooling</div>	

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