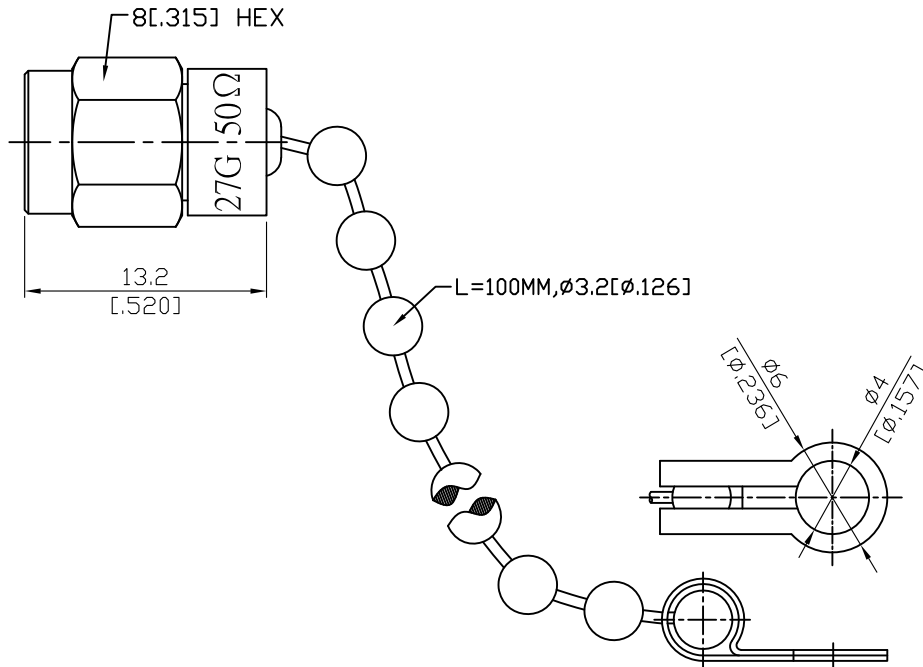


SMA3980S-0027-1.2	2Watt 50ohm SMA Plug Termination With 10cm Long Chain 6GHz VSWR 1.1; 12.4GHz VSWR 1.15; 27GHz VSWR 1.2	50Ω
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2W average power from -55°C to 70°C linearly derated to 1 Watt at 165°C

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

Weight: 6.21g	
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This part number complies with RoHS.

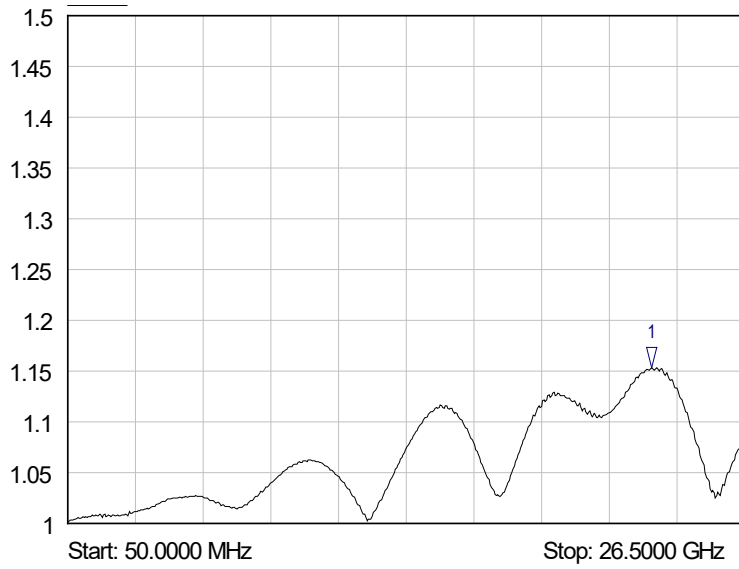
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA3980S-0027-1.2
<div data-bbox="167 347 569 392" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with 2.92 & 3.5</p>	
<div data-bbox="167 515 569 560" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 18GHz</p> <p>VSWR ≤ 1.1 (6GHz); ≤ 1.15 (12.4GHz); ≤ 1.2 (27GHz)</p> <p>Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB</p> <p>Insulation resistance $\geq 5000\text{M}\Omega$</p> <p>Contact resistance inner conductor $\leq 3\text{m}\Omega$</p> <p>Contact resistance outer conductor $\leq 2\text{m}\Omega$</p> <p>Dielectric withstanding voltage (at sea level) 1500 V rms</p> <p>Working voltage (at sea level) 500 V rms</p>	
<div data-bbox="167 1059 569 1104" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p>Recommended coupling nut torque 7 to 9.5 inch lbs</p> <p>Coupling proof torque 15 inch lbs</p> <p>Coupling nut retention force ≥ 60.7 lbs</p> <p>Contact Captivation-axial ≥ 6.1 lbs</p> <p>Durability (mating) ≥ 500</p>	
<div data-bbox="167 1413 569 1458" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p>Temperature range -65°C to +165°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="167 1767 569 1812" style="border: 1px solid black; padding: 2px;">Tooling</div>	

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

SMA3980S-0027-1.2

SoftPlot Measurement Presentation
VSWR S11



1 S11
▽ 22.8500 GHz
1.15 VSWR