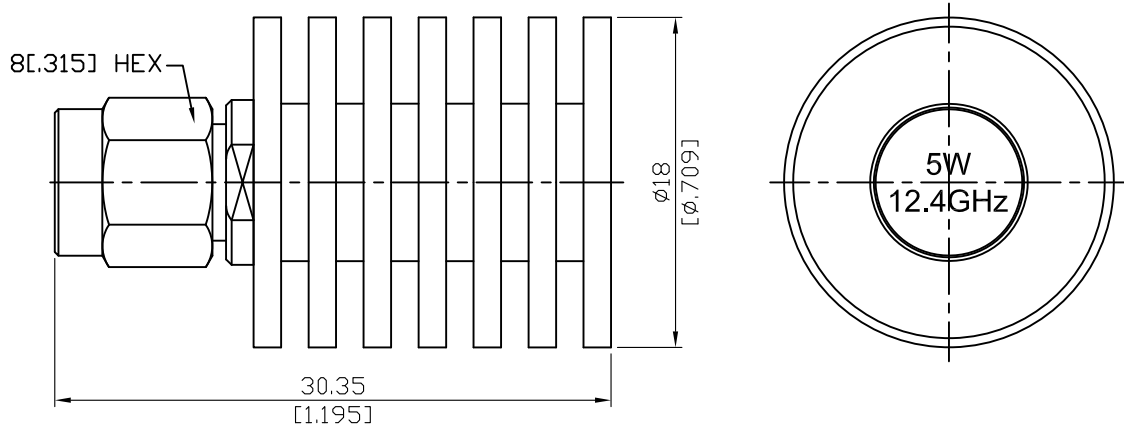


| | | |
|------------------|--|-----|
| HPTS-AM0/12G5W50 | 5 Watt 50ohm SMA Plug Termination 12.4GHz VSWR 1.15 | 50Ω |
|------------------|--|-----|



5W average power from -55°C to +70°C linearly derated to 1.5 Watt at 165°C

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

| | |
|--|--|
| | |
|--|--|

This part number complies with RoHS.

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

| SMA | HPTS-AM0/12G5W50 |
|---|------------------|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> MIL-STD-348B Mechanically compatible with 2.92 & 3.5 | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance 50Ω Frequency range DC to 12.4GHz VSWR ≤ 1.15 (DC to 12.4GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1500 V rms Working voltage (at sea level) 500 V rms | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended coupling nut torque 7 to 9.5 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 500 | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature range -55°C to +165°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> | |

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