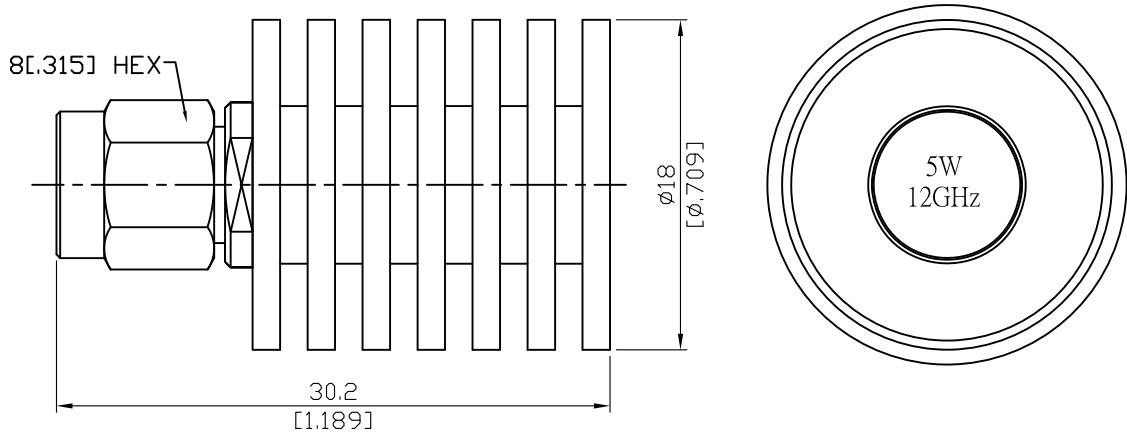


HPT-AM0/12G5W50	5 Watt 50ohm SMA Plug Termination 12.4GHz VSWR 1.15	50Ω
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5W average power from -55°C to +70°C linearly derated to 1.5W at 165°C

Parts	Material	Plating (Micro-inch)
SMA Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Heat Sink	Aluminum	Black Chromium 100
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Phosphor Bronze	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Insulator	Teflon	
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

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This part number complies with RoHS.

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

SMA	HPT-AM0/12G5W50
<div data-bbox="167 387 571 432" 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="167 555 571 600" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 12.4GHz</p> <p>VSWR ≤ 1.15 (DC to 12.4GHz)</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 1093 571 1137" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p>Recommended coupling nut torque 4 inch lbs</p> <p>Coupling proof torque 5.3 inch lbs</p> <p>Coupling nut retention force ≥ 60.7 lbs</p> <p>Contact Captivation-axial ≥ 6.1 lbs</p> <p>Durability (mating) ≥ 100</p>	
<div data-bbox="167 1402 571 1447" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p>Temperature range -55°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 1753 571 1798" style="border: 1px solid black; padding: 2px;">Tooling</div>	

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