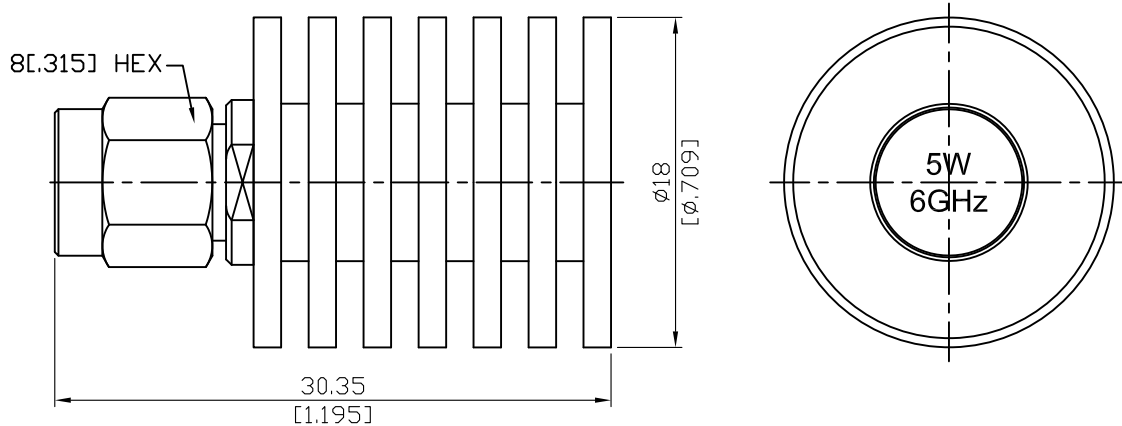


HPTS-AM0/6G5W50

5 Watt 50ohm SMA Plug Termination  
6GHz VSWR 1.1

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-AM0/6G5W50
<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 18GHz VSWR $\leq 1.1$ (DC to 6GHz) 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 $\geq 60.7$ lbs Contact Captivation-axial $\geq 6.1$ lbs Durability (mating) $\geq 500$	
<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>	

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