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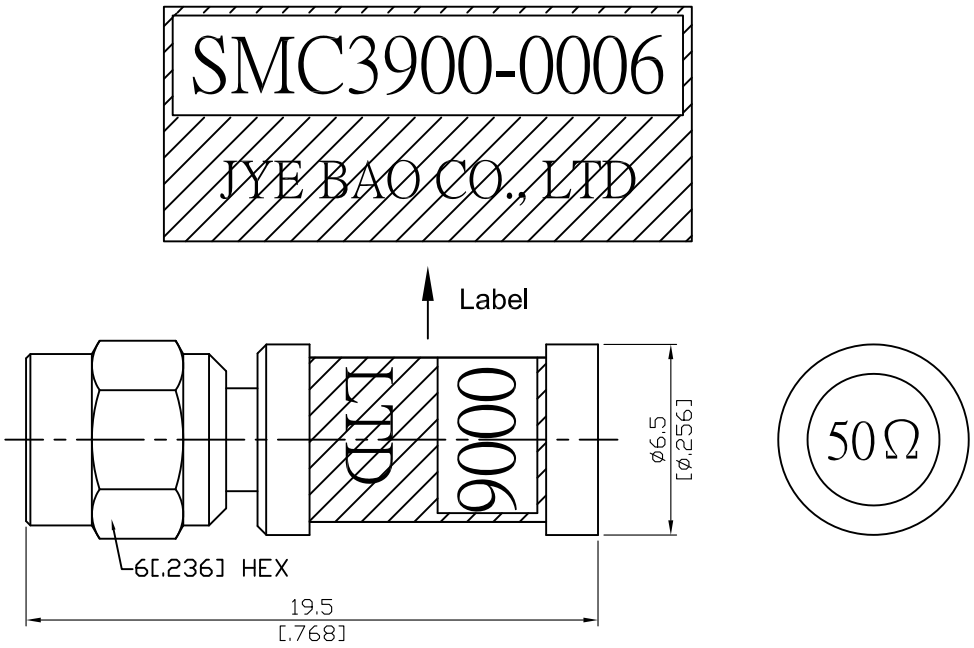
SMC3900-0006	2 Watt 50ohm SMC Plug Termination 6GHz VSWR 1.2	50Ω



2W average power from -55°C to +70°C linearly derated to 1 Watt at 165°C

Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 3g

This part number complies with RoHS.

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SMC	SMC3900-0006

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≦1.2 (DC to 6GHz)
Insertion loss	$\leqq 0.1 \times \sqrt{f(GHz)}$dB
Insulation resistance	≧10000MΩ
Contact resistance inner conductor	≦5mΩ
Contact resistance outer conductor	≦2.5mΩ
Dielectric withstanding voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
RF leakage	≧90dB to 1GHz

Mechanical Data

Recommended coupling nut torque	2.2 to 3.1 inch lbs
Coupling proof torque	6.2 inch lbs
Coupling nut retention force	≧33.72 lbs
Contact captivation-axial	≧2.25 lbs
Durability (mating)	≧500

Environmental Data

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

Tooling