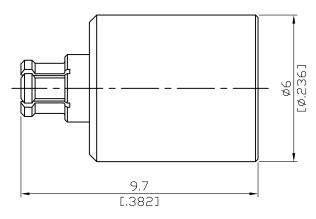


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SMPM8900-0050-1.4 SMPM Jack Termination 1W 50GHz VSWR 1.4

50Ω





1W average power from -40°C to +70°C linearly derated to 0.5W at 165°C

Parts	Material	Plating (Micro-inch)		
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20		
Insulator	PPO			
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20		
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20		
Cover	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20		

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SMPM	SMPM8900-0050-1.4			
Interface				
MIL-STD-348B				
Electrical Data				
Impedance	50Ω			
Frequency range	DC to 50GHz			
VSWR	≦1.4 (DC to 50GHz)			
Insertion loss	\leq 0.1 x $\sqrt{f(GHz)}$ dB			
Insulation resistance	\geq 5000 M Ω			
Contact resistance inner cor	≤6m $Ω$			
Contact resistance outer cor	≤2mΩ			
Dielectric withstanding volta	325			
Mechanical Data				
Modification Bata		Full Detent	Smooth bore	
Engagement force		3.5 typical	1.5 typical	lbs
Disengagement force	5.0 typical	1.5 typical	lbs	
Durability (mating)		≥100	≥1000	
Contact pin captivation	≥1.5lbs			
Environmental Data				
Temperature range		-40°C to +105°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				
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Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMPM8900-0050-1.4

