



NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIALS & FINISH:

- 1.1 BODY (INTERFACE): GOLD PLATED BERYLLIUM COPPER
- 1.2 BODY (REAR): GOLD PLATED BRASS
- 1.3 DIELECTRIC: PTFE (TEFLON)
- 1.4 CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER

2. ELECTRICAL SPECIFICATIONS:

- 2.1 FREQUENCY RANGE: DC - 18 GHz
- 2.2 IMPEDANCE: 50 OHMS
- 2.3 VSWR: 1.05+ .008f (IN GHz)
- 2.4 AVERAGE POWER: 2W MAX @ 25°C DERATED TO 1W @ 125°C

3. MECHANICAL SPECIFICATIONS:

- 3.1 INTERFACE: PER MIL-STD-348A, SREIES SMP
- 3.2 MATING DURABILITY: 100 MATINGS
- 3.3 CENTER CONTACT RETENTION: 1.5 LBs MIN AXIAL
- 3.4 ENGAGEMENT FORCE: 15.0 LBs MAX (FULL DETENT)  
10.0 LBs MAX (LIMITED DETENT)  
2.0 LBs MAX (SMOOTH BORE)
- 3.5 DISENGAGEMENT FORCE: 5.0 LBs MAX (FULL DETENT)  
2.0 LBs MAX (LIMITED DETENT)  
0.5 LBs MAX (SMOOTH BORE)

4. ENVIRONMENTAL SPECIFICATIONS:

- 4.1 OPERATING TEMPERATURE: -65° TO +125°C
- 4.2 THERMAL SHOCK: PER MIL-STD-202, METHOD 107, CONDITION B.
- 4.3 MECHANICAL SHOCK: PER MIL-STD-202, METHOD 213, CONDITION 1.
- 4.4 SALT SPRAY: PER MIL-STD-202, METHOD 101, CONDITION B.

5. DIMENSIONS IN BRACKETS ARE MILLIMETERS.

		<b>Midwest Microwave</b>	
		Title: SMP MALE TERMINATION	
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	Size A	DO NOT SCALE DRAWING	Date: 10/22/2013