



**Model: SR-G000-2S**

Description:.....	SP2T, Reflective, PIN-Switch
Operating Frequency:.....	0.3 - 20 GHz
Insertion Loss: .....	2.5 dB Max
Isolation: .....	75 dB Min
VSWR (Path "ON"):	1.6:1 Max
Rise/Fall Time (10% to 90% RF, 90% to 10% RF): ..	50 ns Max
On/Off Time (50% TTL to 90% RF, 50%TTL to 10% RF): .....	150 ns Max
Phase Balance (Deviation from Median):.....	±4° max
Operating Power:.....	CW/AVG ..... +30dbm Max
.....	Peak ..... 10W @ 1µs-PW Max
Control Input Characteristics: .....	TTL / Unit-Load / Floating-High
Control Logic:.....	2-Controls, Logic "0" = RF Path "ON"
Power Supplies:.....	+5(±0.25) V @ 85mA Max
.....	-12(±0.5) V @ 60mA Max
Connectors (RF):.....	SMA (f), Removable
Connectors (Supplies/Controls) .....	Solder Pins
Impedance: .....	50 Ohms Nominal
Quality:.....	Best-Commercial-Grade

**Environmental Ratings:**

Temperature:.....	{Operating: -55°C to +95°C} & {Storage: -60°C to +110°C}
Humidity: .....	MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock: .....	MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration: .....	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude: .....	MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock: .....	MIL-STD-202F, Method 107D, Cond. A (5 cycles)

**Available Options:**

(Units with listed options here may be subject to some specification tradeoffs from the standard, consult factory)

■ **Supply Voltages**

- A2 [ +5(±0.25)V / -15(±0.5)V ]
- A3 [ +12(±0.5)V / -12(±0.5)V ]
- A4 [ +15(±0.5)V / -15(±0.5)V ]

■ **Control Impedance**

- D1 [ 50 Ω, Internally Terminated ]

■ **Control Function**

- F1 [ Inverse Logic, ("1" = Path "ON") ]
- F2 [ Single Toggle Control ("1" for J1 path "ON") ]

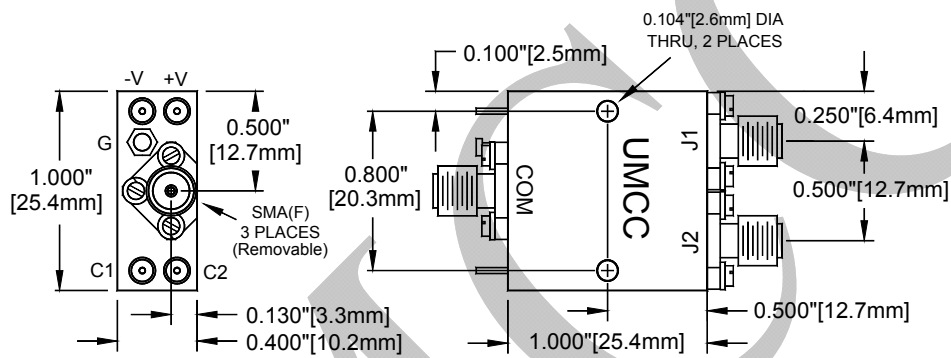
■ **RF Connectors**

- B1 [ J1 & J2 Ports with SMA(M) ]
- B2 [ All SMA (M) ]
- B3 [ COM Port with SMA(M) ]



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**Outline**



Weight	Tolerances
0.7 oz [19.8 g]	±0.015" [±0.38mm]