



**Model: SW-P000-3S**

Description: .....	SP3T, Reflective, PIN-Switch
Operating Frequency:.....	2 – 20 GHz
Insertion Loss:.....	2.8 dB Max
Isolation:.....	70 dB Min
VSWR (“ON” paths):.....	1.8:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): ...	25 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): .....	60 ns Max
Phase Balance (Deviation from Median): .....	±7° max
Operating Power: .....	CW&AVG: +30dBm Max
.....	Peak: 10W @ 1µS PW Max
Control Input Characteristics: .....	TTL / Unit-Load / Floating-High
Control Logic: .....	3-Controls, Logic “0” = RF Path “ON”
Power Supplies: .....	+5(±0.25)V @ 120mA 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**

- A1 [ +5(±0.25)V / -5(±0.25)V ]\*
- 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 ]

■ **RF Connectors**

- B1 [ J1 – J3 Ports with SMA(M) ]
- B2 [ All SMA (M) ]
- B3 [ COM Port with SMA(M) ]

■ **Control Function**

- F1 [ Inverse Logic, (“1” = Path “ON”) ]

■ **Video Suppression Filter**

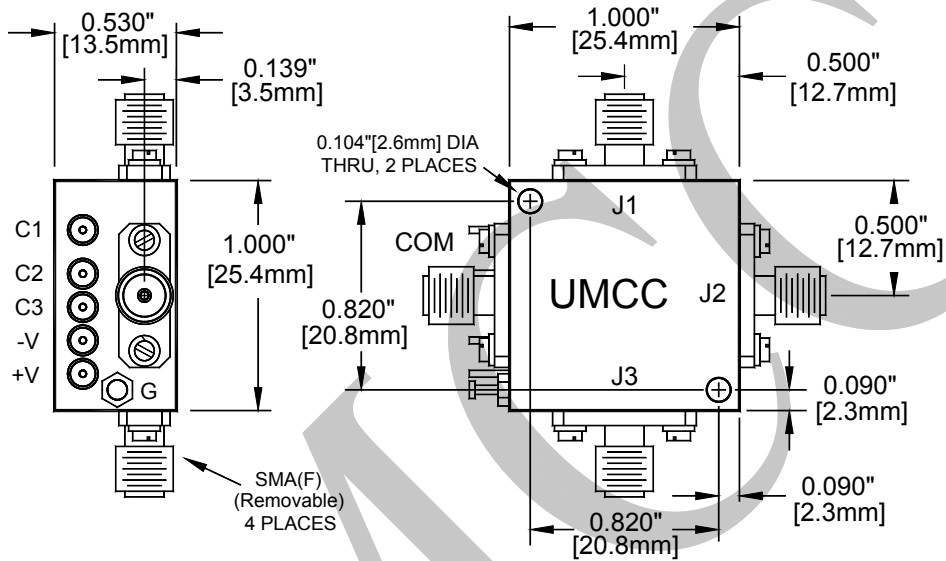
- G1 [ VF @ COM Port <> 0.25 dB additional Loss ]
- G2 [ VF @ J1 – J3 Ports <> 0.25 dB additional Loss ]
- G3 [ VF @ All Ports <> 0.5 dB additional Loss ]

\* Recommended for Low Power Consumption <> Additional 50ns Switching Delay (On/Off Time)



**Model: SW-P000-3S**

**Outline**



Weight	Tolerances
1.0 oz [28.4g]	±0.015" [±0.38mm]