



Model: SW-P000-2S

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| Description:..... | SP2T, Reflective, PIN-Switch |
| Operating Frequency:..... | 2 - 20 GHz |
| Insertion Loss: | 2.8 dB Max |
| Isolation: | 75 dB Min |
| VSWR (Path "ON"): | 1.9:1 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): | 65 ns Max |
| Phase Balance (Deviation from Median):..... | ±5° max |
| Operating Power:..... | CW/AVG +30dbm Max |
| | Peak 10W @ 1µs-PW Max / 10% Duty-Cycle |
| 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 @ 50mA 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 & J2 Ports with SMA(M)]
- B2 [All SMA (M)]
- B3 [COM Port with SMA(M)]

■ **Control Connectors**

- C1 [SMC(Jack), 50 Ω]
- C2 [SMB(Jack), 50 Ω]

■ **Control Impedance**

- D1 [50 Ω, Internally Terminated]

■ **Control Function**

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

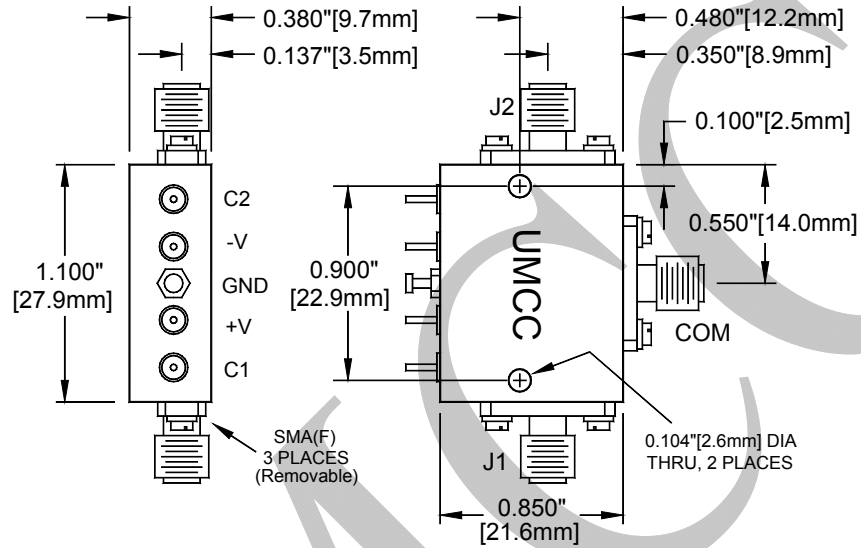
■ **Video Suppression Filter**

- G1 [VF @ COM Port <> 0.25 dB additional Loss]
- G2 [VF @ J1 & J2 Ports <> 0.25 dB additional Loss]
- G3 [VF @ All Ports <> 0.5 dB additional Loss]



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Outline



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