



Model: SR-B210-2S

Description: SP2T, Absorptive, PIN-Switch
 Operating Frequency:..... 20 – 6000 MHz
 Insertion Loss:..... 2.0 dB Max
 Isolation (Arm-to-Arm):

20 – 500 MHz	0.5 - 3 GHz	3 - 6 GHz
80 dB Min	65 dB Min	60 dB

VSWR (“ON” paths & “OFF” ports):..... 20-30MHz 1.7:1 Max
 30-6000 MHz 1.5:1 Max
 Rise/Fall time (10% to 90% RF, 90% to 10% RF): ... 200 ns Max
 On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): 300 ns Max
 Phase Balance (Deviation from Median): ±1° max
 Operating Power: CW / AVG +27 dBm Max *
 * {+23dbm Max below 100MHz}
 Peak: 5W @ 5µS 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 @ 90mA Max
 -12(±0.5)V @ 60mA Max
 Connectors (RF):..... SMA (f), Removable
 Connectors (Supplies/Controls) Solder Pins
 Impedance: 50 Ω 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]

■ **RF Connectors**

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

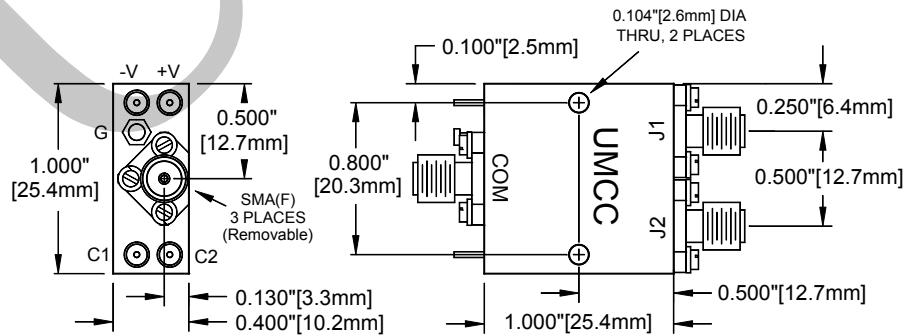
■ **Control Function**

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

■ **Control Impedance**

- D1 [50 Ω, Internally Terminated]

Outline



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