



Model: SR-P200-4S

Description: SP4T, Reflective, PIN-Switch
Operating Frequency: 2 - 20 GHz
Insertion Loss: 2.5 dB Max
Isolation:

Table with 2 columns: Frequency (2-14 GHz, 14-20 GHz) and Isolation (60 dB Min, 47dB Min)

VSWR ("ON" paths): 1.8:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): 15 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): 60 ns Max
Operating Power: CW&AVG: +30 dBm Max
Peak: 10W @ 1µS PW Max
Control Input Characteristics: Std. TTL / Unit-Load / Floating-High
Control Logic: 4-Controls, Logic "0" = RF Path "ON"
Power Supplies: +5(±0.25)V @ 110mA Max
-12(±0.5)V @ 70mA 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 - J4 Ports with SMA(M)]
B2 [All SMA (M)]
B3 [COM Port with SMA(M)]

Control Function

- F1 [Inverse Logic, ("1" = Path "ON")]
F2 [2-Bit Binary Controls + Enable] ; see below for "Outline Drawing" and "Function Table"

Video Suppression Filter

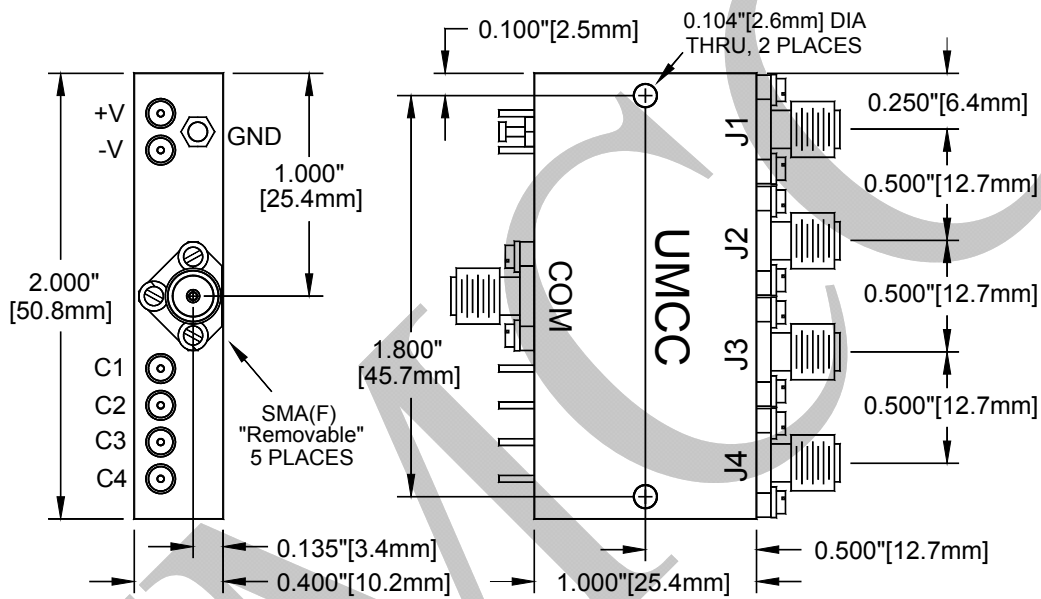
- G1 [VF @ COM Port <> 0.25 dB additional Loss]
G2 [VF @ J1 - J4 Ports <> 0.25 dB additional Loss]
G3 [VF @ All Ports <> 0.5 dB additional Loss]

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



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Outline

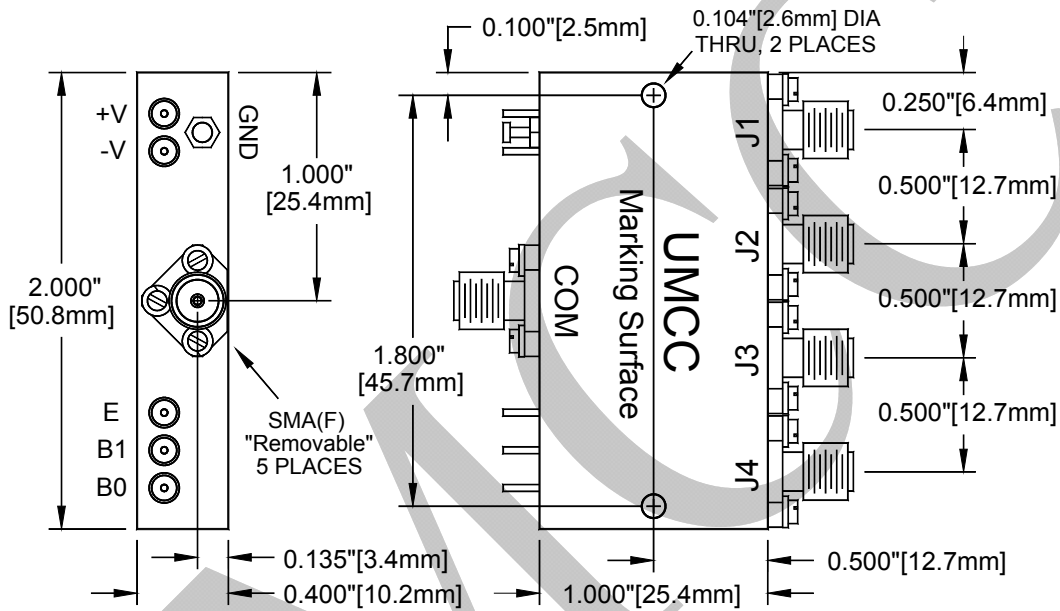


| Weight | Tolerances |
|----------------|-------------------|
| 1.3 oz [36.9g] | ±0.015" [±0.38mm] |



Model: SR-P200-4S

Outline Drawing (SP4T with Option "F2")



| Weight | Tolerances |
|----------------|-------------------|
| 1.3 oz [36.9g] | ±0.015" [±0.38mm] |

Function Table for Option "F2" (2-Bit Binary Control + Enable)

| INPUTS | | | RF PATH | | | |
|--------|----|----|---------|-----|-----|-----|
| E | B1 | B0 | J1 | J2 | J3 | J4 |
| 1 | 0 | 0 | ON | OFF | OFF | OFF |
| 1 | 0 | 1 | OFF | ON | OFF | OFF |
| 1 | 1 | 0 | OFF | OFF | ON | OFF |
| 1 | 1 | 1 | OFF | OFF | OFF | ON |
| 0 | X | X | OFF | OFF | OFF | OFF |