



Model: SR-250H-2S

Description: SP2T, Reflective, High Power Pin-Switch
Operating Frequency: 40 – 2500 MHz
Insertion Loss: 0.8 dB Max
Isolation (Arm-to-Arm):

Table with 2 columns: 0.04 – 1.5 GHz, 1.5 – 2.5 GHz and 2 rows: 50 dB Min, 40 dB Min

VSWR (“ON” Paths): 1.3:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): 750 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): 1µs Max
Power Handling (Matched loads/All Ports): CW/AVG: 30W Max / Hot Switching
Peak: 150W Peak, 1µs PW Max
Control Input Characteristics: Std. TTL / Unit-Load / Floating-High
Control Logic (Single-Control): Logic “0”: J0-J1 Path “ON”
Logic “1”: J0-J2 Path “ON”
Power Supplies: +5(±0.25) V @ 125mA Max
-15(±0.5) V @ 125mA 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)

RF Connectors

- B1 [ J1 & J2 Ports with SMA(M) ]
B2 [ All Ports with SMA(M) ]
B3 [ COM (J0) Port with SMA(M) ]

Control Impedance

- D1 [ 50 Ω, Internally Terminated ]

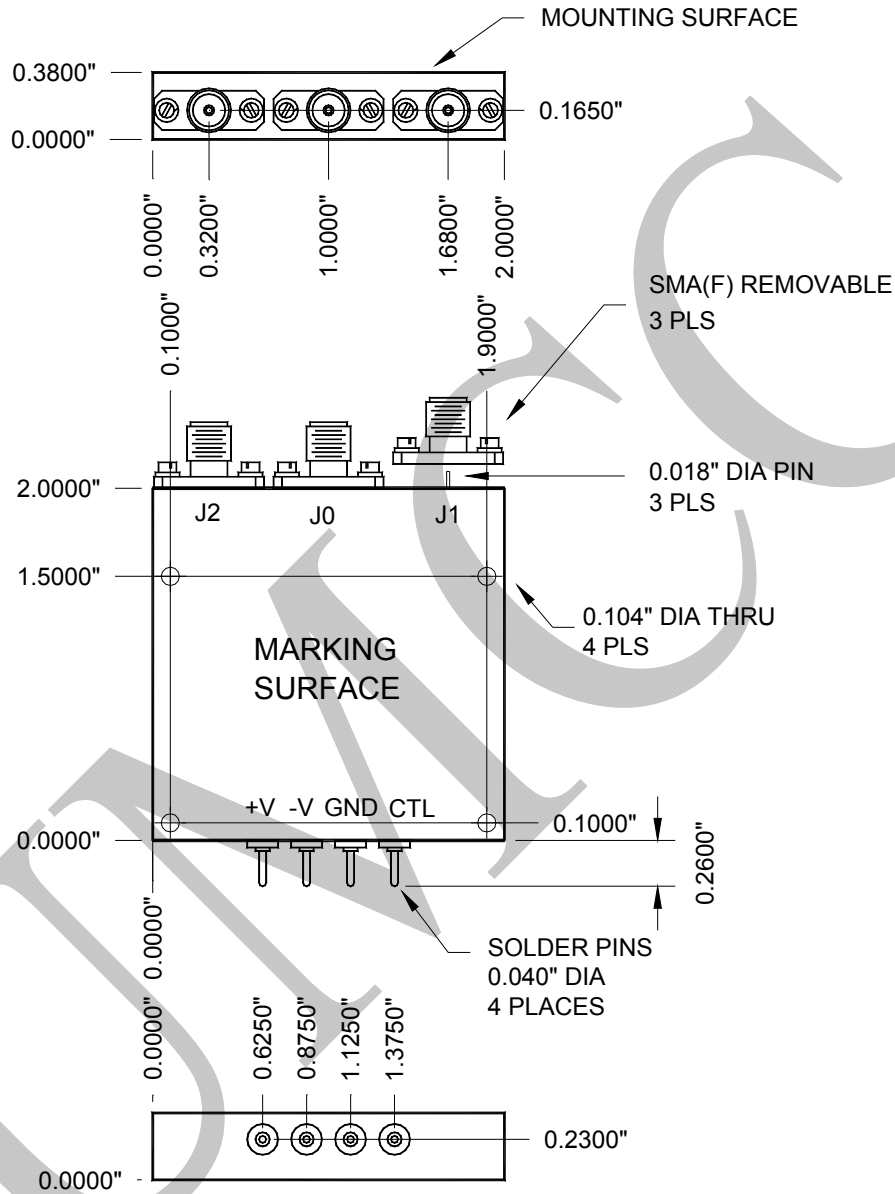
Control Function

- F1 [ Inverse Logic, (“1” = For “J1” Port “ON”) ]



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**Outline**



Weight	Tolerances
	±0.015" [±0.38mm]