



Model: SR-1050-1S

Description:..... SP1T, Reflective High Power Pin-Switch
 Operating Frequency:..... 150 – 1050 MHz
 Insertion Loss:..... 0.5 dB Max
 Isolation:..... 70 dB Min
 VSWR ("ON" Paths):..... 1.35:1 Max
 Rise/Fall time (10% to 90% RF, 90% to 10% RF): ... 600 ns Max
 On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):..... 800 ns Max
 Power Handling (Matched loads/All Ports):..... CW/AVG:..... 40W Max / Hot Switching
 Peak 250W Peak, 1μs PW Max
 Control Input Characteristics:..... Std. TTL / Unit-Load / Floating-High
 Control Logic:..... Logic "0" = RF Path "ON"
 Power Supplies:..... +5(±0.25) V @ 100mA Max
 -15(±0.5) V @ 100mA Max
 Connectors (RF):..... SMA (F)
 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 Port with SMA(M)]
- B2 [All Ports with SMA(M)]
- B3 [J2 Port with SMA(M)]

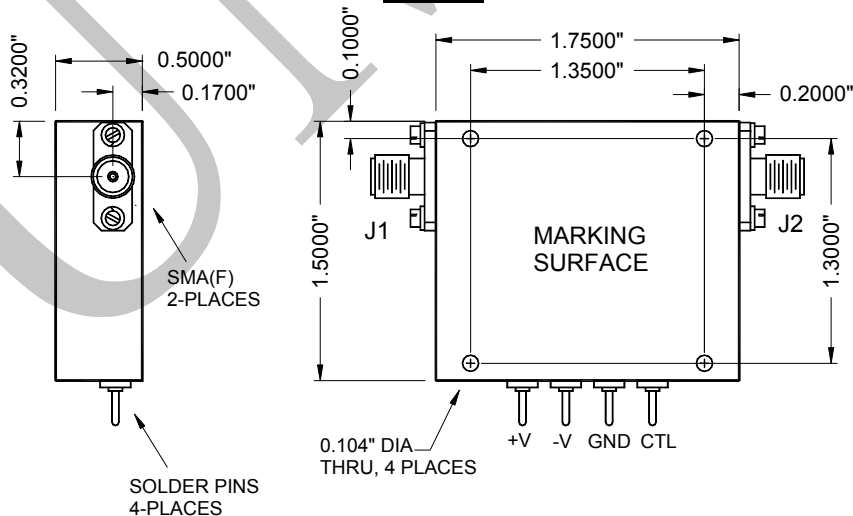
■ **Control Impedance**

- D1 [50 Ω, Internally Terminated]

■ **Control Function**

- F1 [Inverse Logic, ("1" = RF Path "ON")]

Outline



Weight	Tolerances
	±0.015" [±0.38mm]