



**Model: SR-F000-2S**

Description:	SP2T, Reflective, High Power PIN-Switch
Operating Frequency:	8 - 12 GHz
Insertion Loss:	1.5 dB Max
Isolation (Arm-to-Arm):	50 dB Min
VSWR (Path "ON"):	1.5:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF):	35 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):	100 ns Max
Operating Power:	CW & AVG: +37dBm Max / Hot Switching
	Peak: +47dBm @ 1µS PW Max
Control Input Characteristics:	Std. TTL / Unit-Load / Floating-High
Control Logic (Single-Control):	Logic "1": COM-J1 Path "ON"
	Logic "0": COM-J2 Path "ON"
Power Supplies:	+5(±0.25)V @ 80mA Max
	-15(±0.5)V @ 80mA Max
Connectors (RF):	SMA (f), Removable
Connectors (Supplies/Control):	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 ]

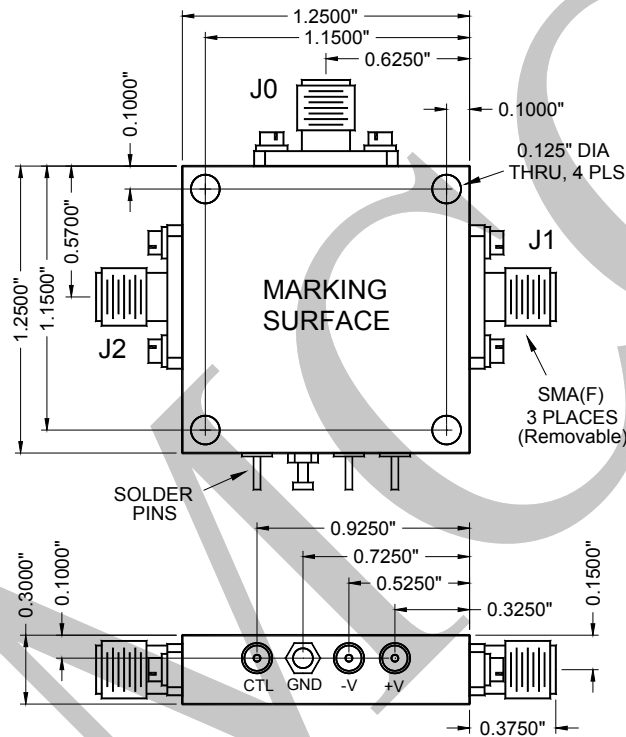
■ **Control Function**

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



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**Outline**



Weight	Tolerances
0.9 oz [ 25.5 g ]	±0.015" [ ±0.38mm ]