



**Model: SR-6000-1S**

Description:..... SP1T, Reflective Pin-Switch

Operating Frequency:..... 30 MHz – 6 GHz

Insertion Loss:

| 0.03 – 1.5 GHz | 1.5 – 4 GHz | 4 - 6 GHz  |
|----------------|-------------|------------|
| 2.8 dB Max     | 2.2 dB Max  | 2.4 dB Max |

Isolation:

| 0.03 – 4 GHz | 4 - 6 GHz |
|--------------|-----------|
| 85 dB Min    | 80 dB Min |

VSWR (RF Path “ON”): ..... 1.6:1 Max

Rise/Fall time (10% to 90% RF, 90% to 10% RF): ... 250 ns Max

On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):..... 750 ns Max

Operating Power:..... CW / AVG ..... +30 dBm Max

..... Peak: ..... 5W @ 5μS PW Max

Control Input Characteristics: ..... TTL /Unit-Load, Floating-High

Control Logic:..... 1-Control, Logic “0” = RF Path “ON”

Power Supplies:..... +5(±0.25) V @ 50mA Max

..... -12(±0.5) V @ 60mA 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 SMA(M) / J2 SMA(F) ]

B2 [ J1 SMA(F) / J2 SMA(M) ]

B3 [ All SMA(M) ]

■ **Control Connectors**

C1 [ SMC(Jack), 50 Ω ]

C2 [ SMB(Jack), 50 Ω ]

■ **Control Impedance**

D1 [ 50 Ω, Internally Terminated ]

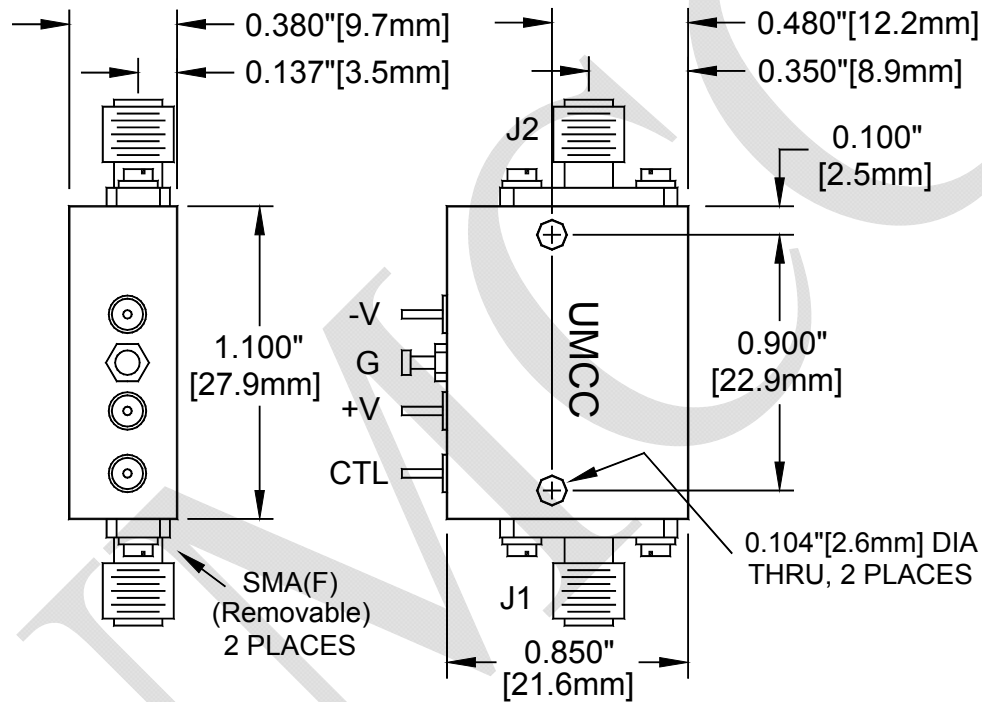
■ **Control Function**

F1 [ Inverse Logic, (“1” = Path “ON”) ]



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**Outline**



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