



Model: SR-6000-1S

| | |
|---|-------------------------------------|
| Description:..... | SP1T, Reflective Pin-Switch |
| Operating Frequency:..... | 30 MHz – 6 GHz |
| Insertion Loss: | 2.6dB Max |
| Isolation: | 85 dB |
| VSWR (RF Path "ON"): | 1.5:1 Max |
| Rise/Fall time (10% to 90% RF, 90% to 10% RF): ... | 150 ns Max |
| On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):..... | 300 ns Max |
| Operating Power:..... | CW / AVG |
| | * |
| | Peak: |
| 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 @ 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 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]

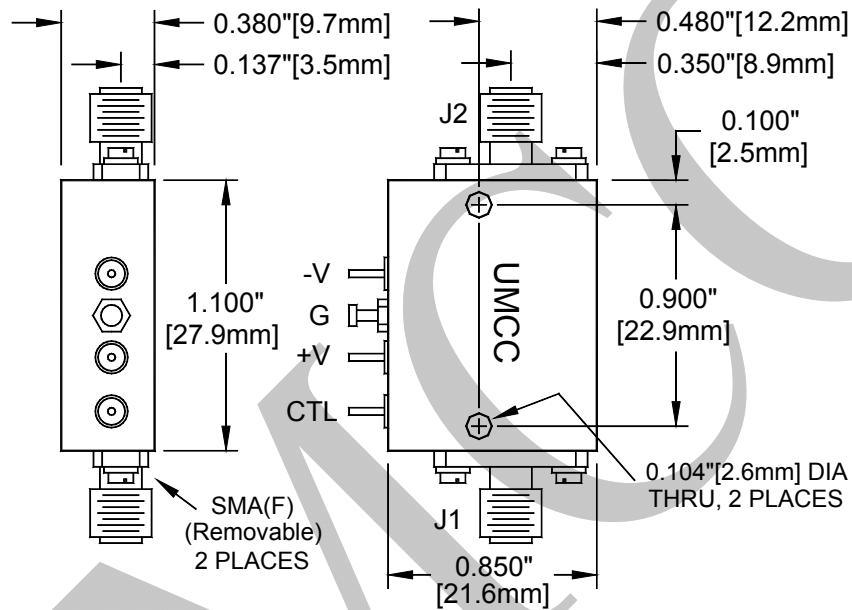
■ **Control Function**

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



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Outline



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