Universal Microwave Components Corp.
5702-D General Washington Drive Alexandria, VA 22312 <> Web: www.umcc111.com
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Model: SR-S000-1S

Description: ..... SP1T, Reflective Pin-Switch
Operating Frequency: ..... 2 - 18 GHz
Insertion Loss:

2-12.4 GHz	12.4 - 18 GHz
1.7 dB Max	2.2 dB Max

Isolation: ..... 85 dB Min
VSWR (RF Path "ON"): ..... 1.6:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): ..... 10 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): ..... 25 ns Max
Operating Power: ..... CW / AVG ..... +30 dBm Max
..... Peak: ..... 20W @ 1µS PW Max
Harmonic Distortion: ..... 75dBc Max @ +30dBm
Control Input Characteristics: ..... TTL /Unit-Load, 1-Control / Flouting-High
Control Logic: ..... Logic "0" = RF Path "ON"
Power Supplies: ..... +5(±0.25) V @ 50mA Max
..... -12(±0.5) V @ 50mA Max
Connectors (RF): ..... SMA (F), Removable
Connectors (Supplies & Controls) ..... Solder Pins
Impedance: ..... 50 Ohms Nominal
Weight: ..... 0.7 oz [19.8 g]
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")]

■ ***Video Suppression Filter***
- **G1** [VF @ J2 Port <> 0.25 dB additional Loss]
- **G2** [VF @ J1 & J2 Ports <> 0.5 dB additional Loss]

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Outline