



**Model: SR-T000-3S**

Description:..... SP3T, Reflective, PIN-Switch

Operating Frequency:..... 1 – 18 GHz

Insertion Loss:

| 1 – 10 GHz | 10 – 18 GHz |
|------------|-------------|
| 2.0 dB Max | 2.9 dB Max  |

Isolation:

| 1 – 10 GHz | 10 – 18 GHz |
|------------|-------------|
| 80 dB Min  | 70 dB Min   |

VSWR ("ON" paths):..... 1.8:1 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):..... 50 ns Max

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

..... Peak: ..... 10W @ 1μS PW Max

Harmonic Distortion: ..... 75dBc Max @ +30dBm

Control Input Characteristics: ..... TTL /Unit-Load, 3-Controls / Flouting-High

Control Logic:..... Logic "0" = RF Path "ON"

Power Supplies:..... +5(±0.25)V @ 120mA Max

..... -12(±0.5)V @ 60mA Max

Connectors (RF):..... SMA (f), Removable

Connectors (Supplies/Controls) ..... Solder Pins

Impedance:..... 50 Ohms Nominal

Weight:..... 1.0 oz [28.3 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 – J3 Ports with SMA(M) ]

B2 [ All SMA (M) ]

B3 [ COM Port with SMA(M) ]

■ **Control Function**

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

F2 [ Binary Coded Logic, ( 2 Controls ) ]

■ **Video Suppression Filter**

G1 [ VF @ COM Port <> 0.25 dB additional Loss ]

G2 [ VF @ J1 – J3 Ports <> 0.25 dB additional Loss ]

G3 [ VF @ All Ports <> 0.5 dB additional Loss ]



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### Outline

