



Model: SR-V700-1S

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

Operating Frequency:..... 0.3 - 18 GHz

Insertion Loss:

| | | |
|-------------|-------------|---------------|
| 0.3 - 8 GHz | 8 -12.4 GHz | 12.4 - 18 GHz |
| 2.5 dB Max | 3.0 dB Max | 3.6 dB Max |

Isolation: 80 dB Min
VSWR (RF Path "ON"): 2:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): ... 50 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):..... 80 ns Max
Operating Power:..... CW/AVG +27dbm Max
..... Peak 8W @ 1µs-PW Max
Harmonic Distortion: 65 dBc Max @ +24dBm
Control Input Characteristics: TTL /Unit-Load, 1-Control / Flouting-High
Control Logic:..... Logic "0" = RF Path "ON"
Power Supplies:..... +5(±0.25)V @ 60mA Max
..... -12(±0.5)V @ 60mA Max
Connectors (RF): SMA (f), Removable
Connectors (Supplies/Controls) Solder Pins
Impedance: 50 Ohms Nominal
Weight:..... 0.8 oz [22.7 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]

■ **Control Impedance**

- D1 [50 Ω, Internally Terminated]

■ **RF Connectors**

- B1 [J1 SMA(M) / J2 SMA(F)]
- B2 [J1 SMA(F) / J2 SMA(M)]
- B3 [All SMA(M)]

■ **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]

■ **Control Connectors**

- C1 [SMC(Jack), 50 Ω]
- C2 [SMB(Jack), 50 Ω]

