*Universal Microwave Components Corp.*
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## Model: SR-V710-1S

Description: ..... SP1T, Absorptive, 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: ..... 90 dB Min
VSWR (RF Path "ON" or "OFF"): ..... 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 ..... +24dbm 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 @ 80mA 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 ]

■ ***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**