



Model: SR-A40H-1S

Description: High Power SP1T, Reflective PIN-Switch
Operating Frequency: 40-4000 MHz
Insertion Loss:

Table with 2 columns: Frequency Range (40-2000 MHz, 2-4 GHz) and Insertion Loss (0.8 dB Max, 1.0 dB Max)

Isolation:

Table with 2 columns: Frequency Range (40-2000 MHz, 2-4 GHz) and Isolation (40 dB Min, 35 dB Min)

VSWR (RF Path "ON"): 1.3:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): 3.8 µs Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): 4.0 µs Max
Switching Frequency: 500 KHz Max
Operating Power: CW / AVG 4W (+36dBm) Max
Peak: 40W @ 10µS PW Max
Control Input Characteristics: Std. TTL / Unit-Load / Floating-High
Control Logic: 1-Control, Logic "0" = RF Path "ON"
Power Supplies: +5(±0.25) V @ 60 mA Max
-5 (±0.25) V @ 50 mA 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

- A0 [ +5(±0.25)V / -12(±0.5)V ]
A2 [ +5(±0.25)V / -15(±0.5)V ]

Control Connectors

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

RF Connectors

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

Control Impedance

- D1 [ 50 Ω, Internally Terminated ]

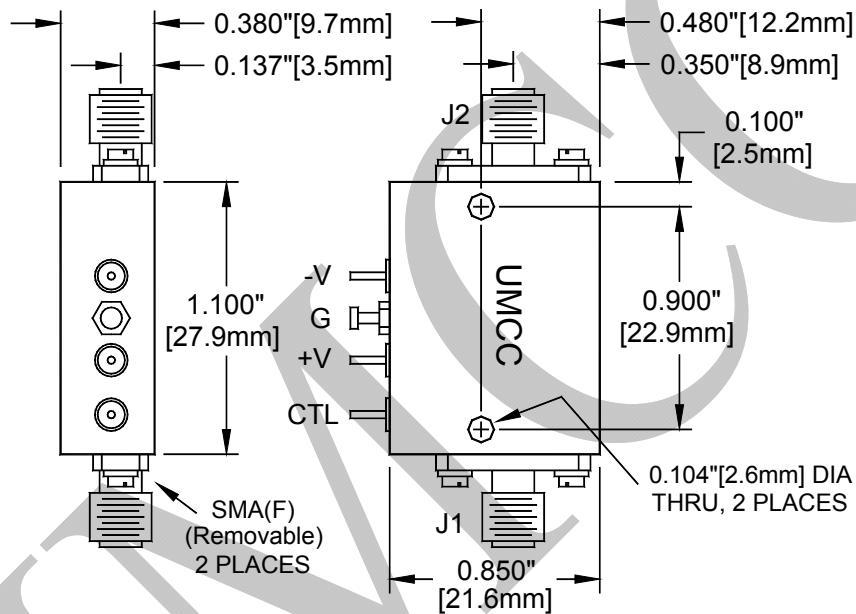
Control Function

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



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**Outline**



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