



Model: SR-M00B-1S

Description:.....	High Power SP1T, Reflective PIN-Switch
Operating Frequency:.....	3.5 – 14.5GHz
Insertion Loss:	1.3 dB Max
Isolation:	50dB Min
VSWR (RF Path "ON"):	1.35:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): ...	200 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):.....	250 ns Max
Operating Power:.....	CW / AVG +40dBm Max ; (10Watts)
.....	Peak: 100W @ 1µS 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 @ 90mA Max
.....	-15(±0.5) V @ 40mA 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)

■ **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]

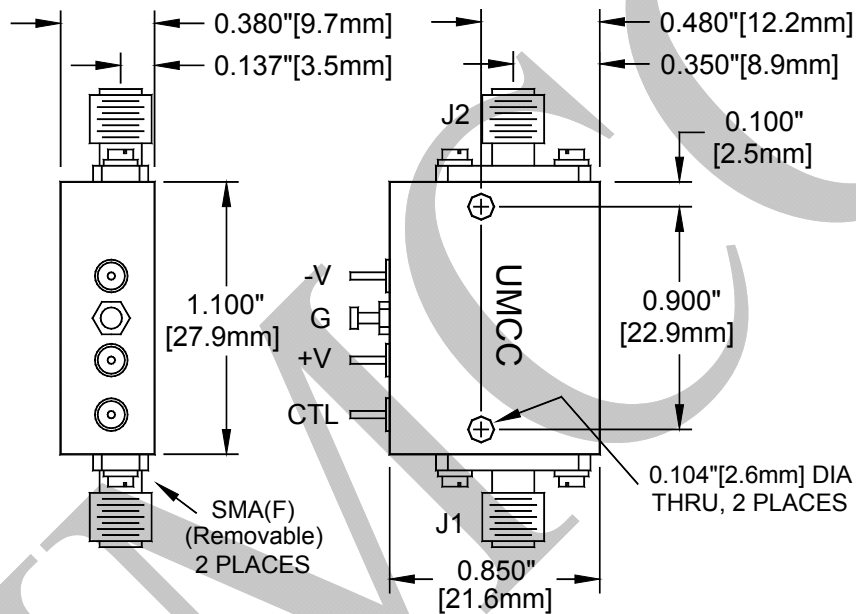
■ **Control Function**

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



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Outline



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