



Model: SR-GS70-1S

Description:.....	SP1T, Absorptive Pin-Switch
Operating Frequency:.....	1.5 – 20 GHz
Insertion Loss:.....	4.3 dB Max
Isolation:.....	85 dB Min
VSWR (RF Path “ON” or “OFF”):.....	1.9:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF):... ..	25 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):.....	70 ns Max
Switching Frequency:.....	10 MHz Max
Video Transients (“Switching Spikes”).....	150mV PK-PK Max
Operating Power:.....	CW / AVG..... +24 dBm Max
.....	Peak:..... 5W @ 1µS PW Max
Control Input Characteristics:.....	TTL / Unit-Load / Floating-High
Control Logic:.....	1-Control, Logic “0” = RF Path “ON”
Power Supplies:.....	+5(±0.25) V @ 80mA Max
.....	-5 (±0.25) V @ 75mA 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]
- 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]

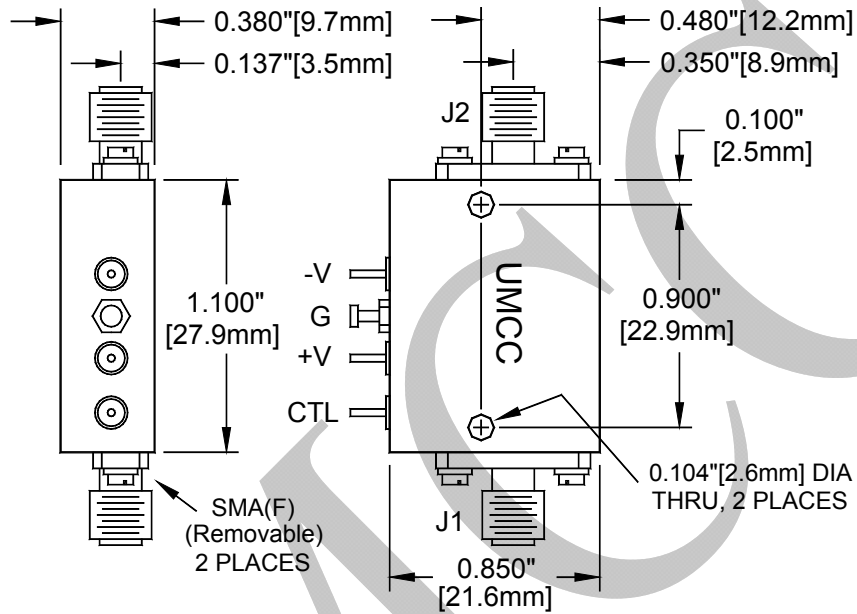
■ **Single Side Terminated (Model: SR-GSS0-1S)**

- [J1 Port Absorptive <> J2 Port Reflective]



Model: SR-GS70-1S

Outline



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