



Model: SW-L01H-2S

Description:	SP2T, Absorptive, PIN-Switch
Operating Frequency:	2 - 14 GHz
Insertion Loss:	2.0 dB Max
Isolation (Arm-to-Arm):	45 dB Min
VSWR ("ON" Paths & "OFF" Ports):	1.6:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF):	75 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):	150 ns Max
Phase Error (Port-to-Port):	±5° max
Operating Power:	CW & AVG: +33dBm Max
	Peak: +44dBm @ 1µS PW Max
Control Input Characteristics:	Std. TTL / Unit-Load / Floating-High
Control Logic (Single-Control):	Logic "1": COM-J1 Path "ON"
	Logic "0": COM-J2 Path "ON"
Power Supplies:	+5(±0.25)V @ 80mA Max
	-12(±0.5)V @ 80mA Max
Connectors (RF):	SMA (f), Removable
Connectors (Supplies/Control)	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 & J2 Ports with SMA(M)]
- B2 [All Ports with SMA(M)]
- B3 [COM (J0) Port with SMA(M)]

■ **Control Impedance**

- D1 [50 Ω, Internally Terminated]

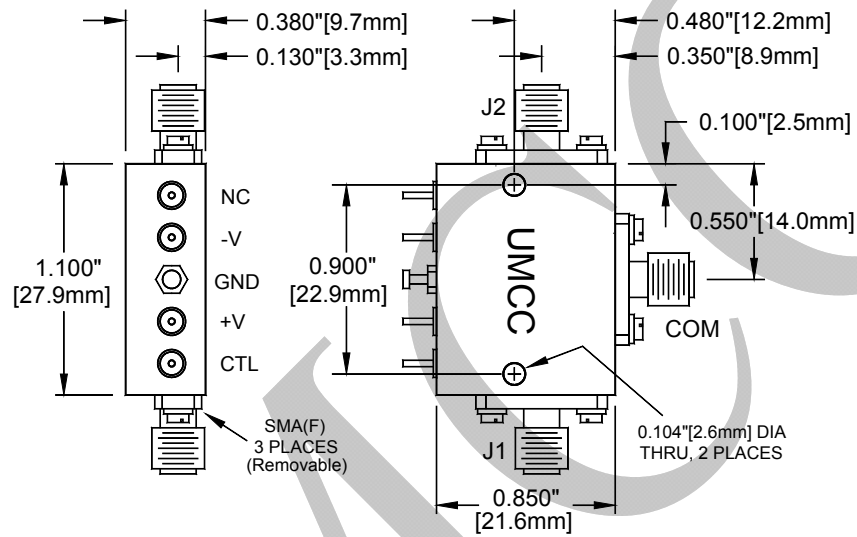
■ **Control Function**

- F1 [Inverse Logic, ("1" = For "J1" Port "ON")]



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Outline



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