



**Model: SW-V070-6S**

Description:	SP6T, Absorptive, PIN-Switch
Operating Frequency:	0.1 – 18 GHz
Insertion Loss:	4.4 dB Max
Isolation:	70 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):	150 ns Max
Phase Balance (Deviation from Median):	±8° max
Operating Power:	CW&AVG: +24dBm Max
	Peak: 5W @ 1µS PW Max
Control Input Characteristics:	Std. TTL / Unit-Load / Floating-High
Control Logic:	6-Controls, Logic "0" = RF Path "ON"
Power Supplies:	+5(±0.25)V @ 190mA Max
	-12(±0.5)V @ 80mA 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**

**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 – J6 Ports with SMA(M) ]

**B2** [ All SMA (M) ]

**B3** [ COM Port with SMA(M) ]

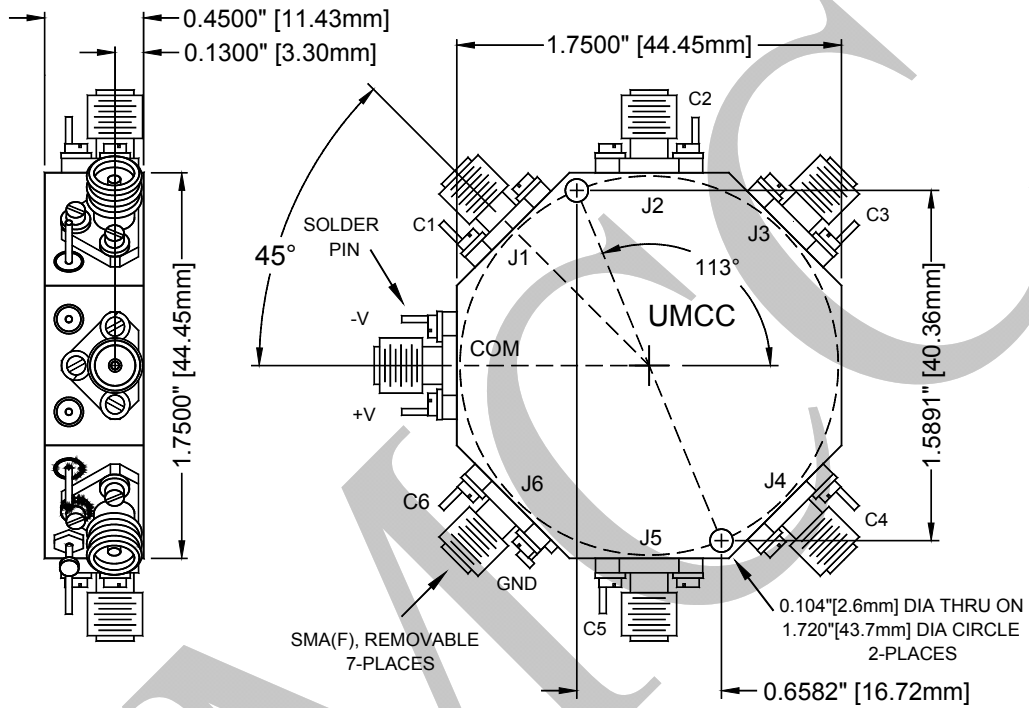
■ **Control Function**

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



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**Outline**



Weight	Tolerances
1.80 oz [51.0g]	±0.015" [±0.38mm]