



Model: SW-B300-8S

Description:	SP8T, Reflective, PIN-Switch	
Operating Frequency:.....	20 – 6000 MHz	
Insertion Loss:.....	3.0 dB Max	
Isolation:.....	70 dB Min	
VSWR (“ON” paths):.....	1.6:1 Max (1.7:1 Over 20-30MHz)	
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):	300 ns Max	
Phase Balance (Deviation from Median):	±3° max	
Operating Power:	CW / AVG	+27dBm Max *
.....	*	{+23dbm Max below 100MHz}
.....	Peak:.....	5W @ 5µS PW Max
Control Input Characteristics:	Std. TTL / Unit-Load / Floating-High	
Control Logic:	8-Controls, Logic “0” = RF Path “ON”	
Power Supplies:	+5(±0.25)V @ 90mA Max	
.....	-12(±0.5)V @ 100mA Max	
Connectors (RF):.....	SMA (f), Removable	
Connectors (Supplies/Controls)	Solder Pins	
Impedance:	50 Ω 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**

- A1 [+5(±0.25)V / -5(±0.25)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**

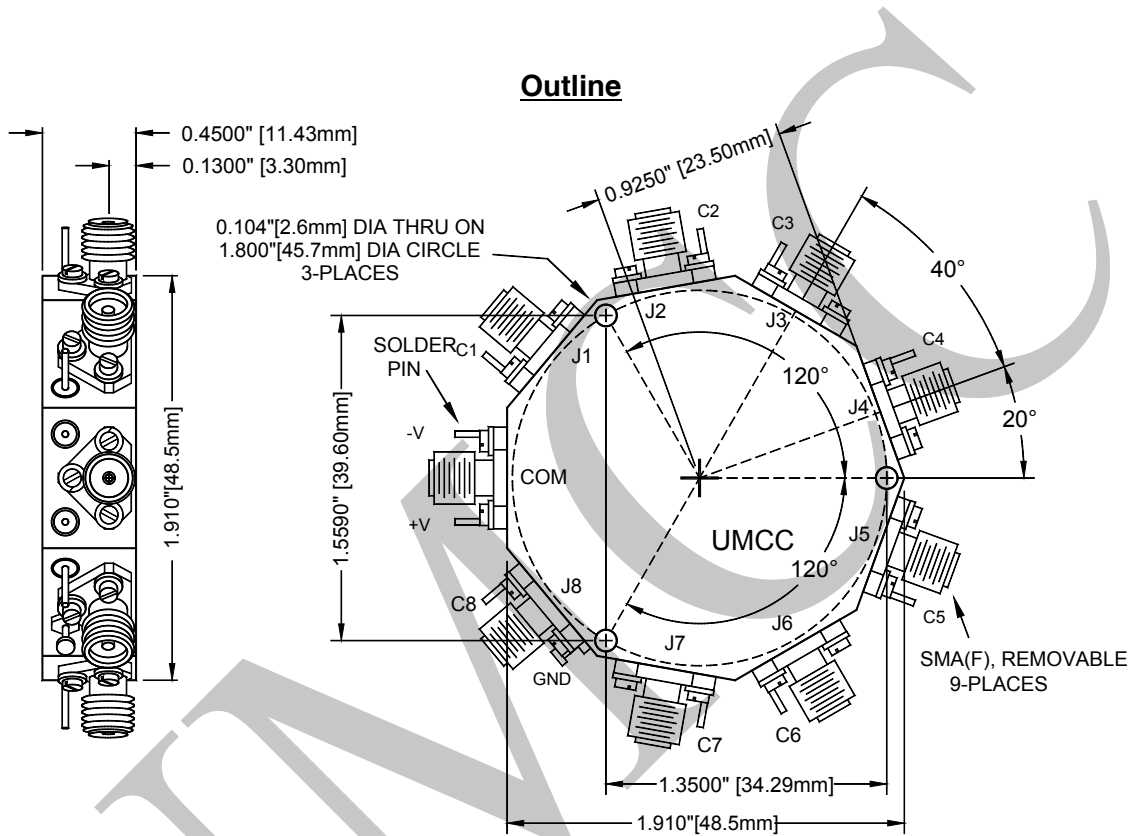
- B1 [J1 – J8 Ports with SMA(M)]
- B2 [All SMA (M)]
- B3 [COM Port with SMA(M)]

■ **Control Function**

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



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Weight	Tolerances
1.85 oz [52.4g]	±0.015" [±0.38mm]