



Model: SR-B300-10S

Description:..... SP10T, Reflective, PIN-Switch
 Operating Frequency:..... 20 – 6000 MHz
 Insertion Loss:

20 – 3000 MHz	3 - 6 GHz
2.8 dB Max	3.3 dB Max

Isolation:

20 – 30 MHz	30 – 3000 MHz	3 - 6 GHz
65 dB Min	75 dB Min	65 dB Min

VSWR (“ON” paths):..... 1.7:1 Max (1.8:1 Over 20-30MHz)
 Rise/Fall time (10% to 90% RF, 90% to 10% RF):..... 150 ns Max
 On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):..... 250 ns Max
 Operating Power:..... CW&AVG..... +30dBm Max
 Peak: 5W @ 5µS PW Max
 Control Input Characteristics: TTL /Unit-Load / Floating-High
 Control Logic:..... 10-Controls, Logic “0” = RF Path “ON”
 Power Supplies:..... +5(±0.25)V @ 110mA Max
 -12(±0.5)V @ 130mA 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**

- 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 – J10 Ports with SMA(M)]
- B2 [All SMA (M)]
- B3 [COM Port with SMA(M)]

■ **RF Connectors**

- E1 [15-Pin Micro-D Male (Plug) with Jackposts]
- see Fig.2 in Web Site for Outline Drawing

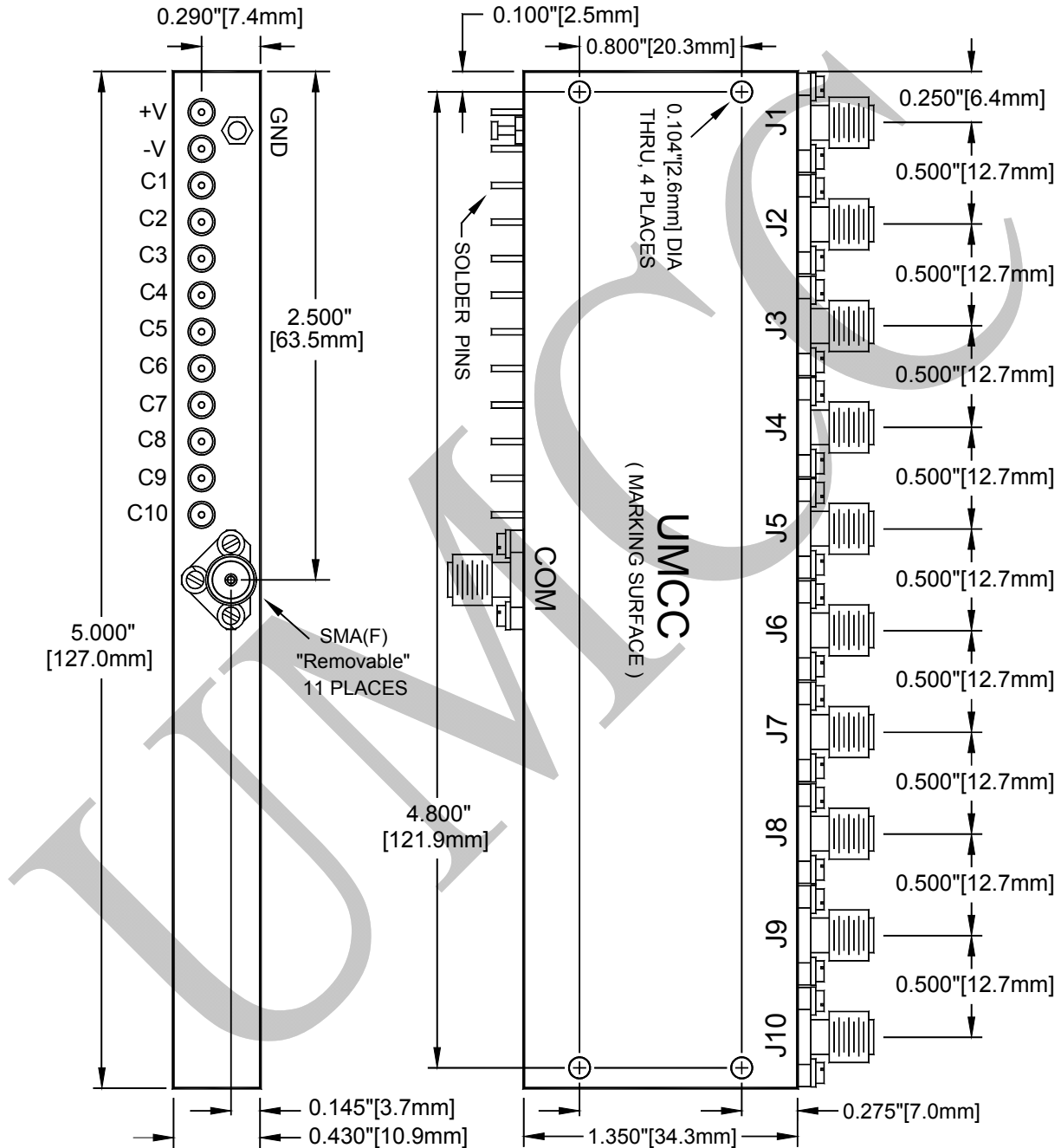
■ **Control Function**

- F1 [Inverse Logic, (“1” = Path “ON”)]
- F2 [4-BCD Controls]



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Outline



Weight	Tolerances
	±0.015" [±0.38mm]