



Model: SR-B300-10S

Table with 2 columns: Description and specifications. Includes rows for Operating Frequency (20 - 6000 MHz), Insertion Loss (3.0 dB Max), Isolation (65 dB Min), VSWR (1.7:1 Max), Rise/Fall time (250 ns Max), On/Off time (300 ns Max), Operating Power (CW / AVG: +27dBm Max, Peak: 5W @ 5µS PW Max), Control Input Characteristics (Std. 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 (SMA (f), Removable), Connectors (Solder Pins), Impedance (50 Ω Nominal), and Quality (Best-Commercial-Grade).

Environmental Ratings:

Table with 2 columns: Parameter and Rating. Includes rows for 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)), and 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)]

Control/Supply Connector(s)

- E1 [15-Pin Micro-D Male (Plug) with Jack-posts]
"see Fig.2 in UMCC Web for Outline Drawing"

Control Function

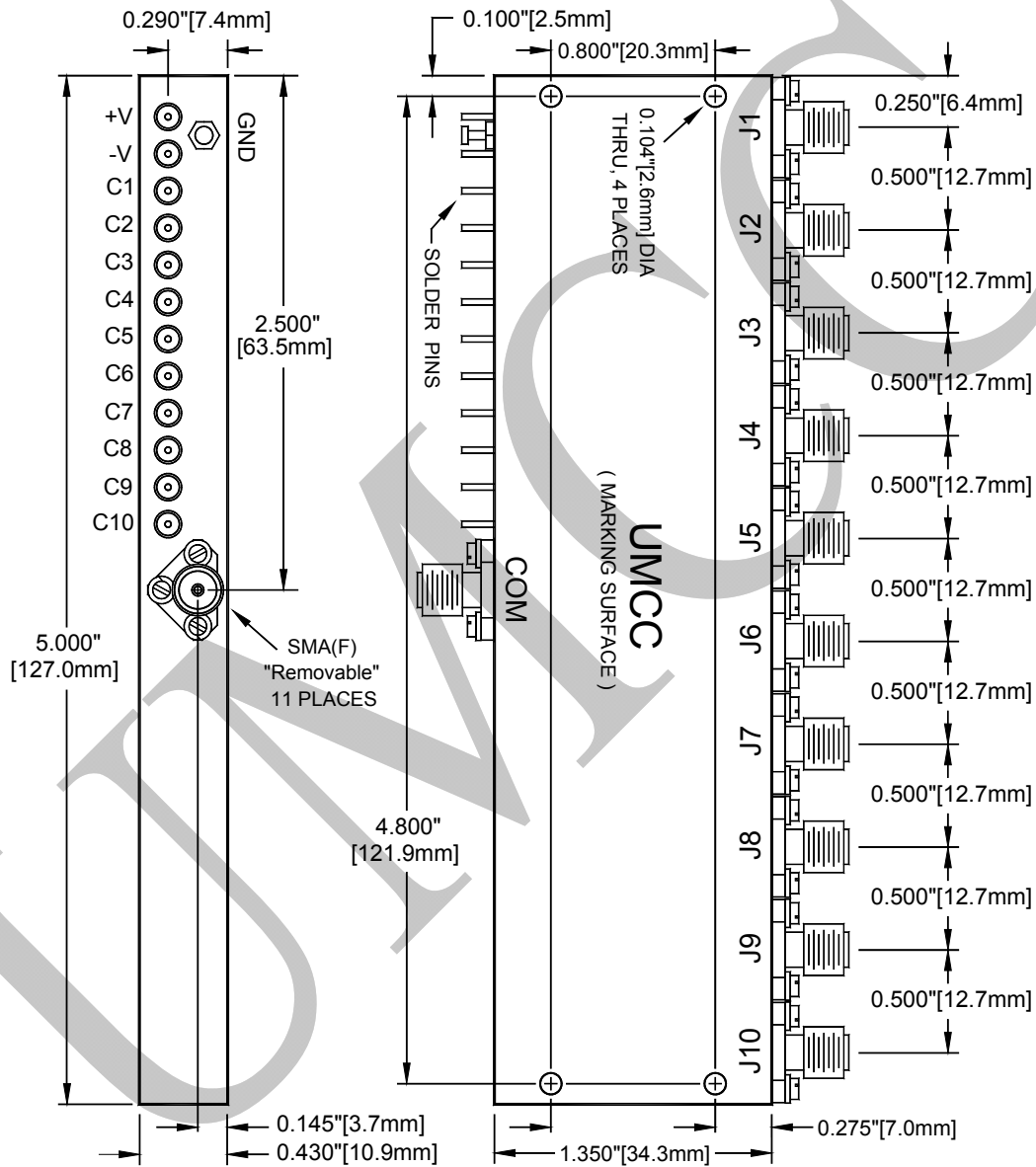
- F1 [Inverse Logic, ("1" = Path "ON")]
F2 [4-Bit Binary Controls + Enable] ; see below for "Outline Drawing" and "Function Table"

* Recommended for Low Power Consumption <> Additional Switching Delay (ON/OFF time)



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Outline

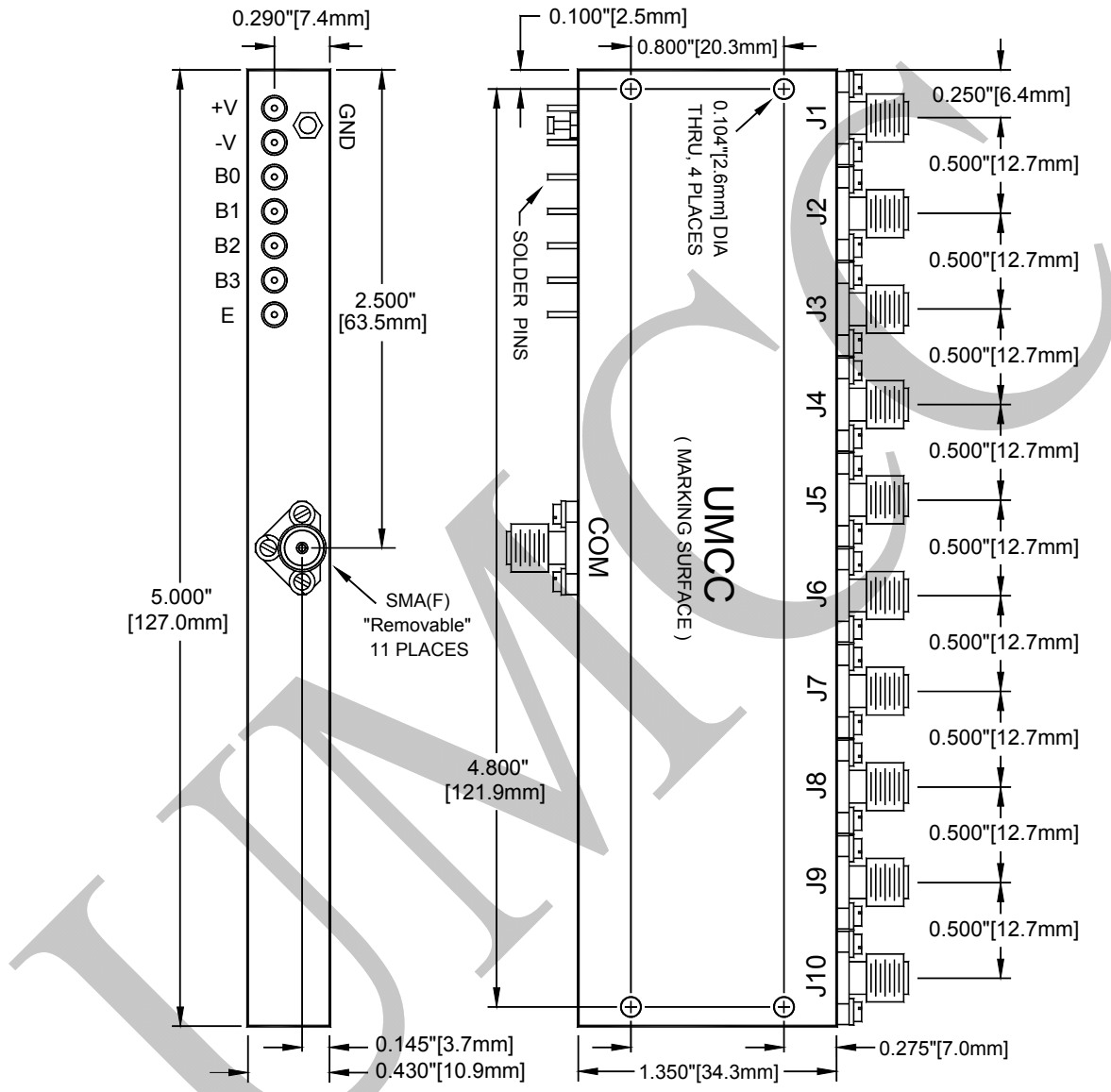


Weight	Tolerances
3.8 oz [108g]	±0.015" [±0.38mm]



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Outline (Option "F2" for 4-Bit Binary Control + Enable)



Weight	Tolerances
3.8 oz [108g]	±0.015" [±0.38mm]



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Function Table for Option "F2" (4-Bit Binary Control + Enable)

INPUTS					RF PATH FROM "COM" PORT TO "JXX" PORT									
E	B3	B2	B1	B0	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10
0	0	0	0	0	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
0	0	0	0	1	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
0	0	0	1	0	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
0	0	0	1	1	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
0	0	1	0	0	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
0	0	1	0	1	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
0	0	1	1	0	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
0	0	1	1	1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
0	1	0	0	0	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
0	1	0	0	1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
1	X	X	X	X	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF