



Model: SW-S000-4S

Table with 2 columns: Description and specifications. Includes rows for Operating Frequency (2-18 GHz), Insertion Loss (2.6 dB Max), Isolation (70 dB Max), VSWR (1.8:1 Max), Rise/Fall time (15 ns Max), On/Off time (60 ns Max), Phase Balance (±5° max), Operating Power (CW&AVG: +30dBm Max, Peak: 10W @ 1µS PW Max), Control Input Characteristics (Std. TTL /Unit-Load / Floating-High), Control Logic (4-Controls, Logic "0" = RF Path "ON"), Power Supplies (+5(±0.25)V @ 140mA Max, -12(±0.5)V @ 70mA Max), Connectors (SMA (f), Removable), Connectors (Solder Pins), Impedance (50 Ohms Nominal), and Quality (Best-Commercial-Grade).

Environmental Ratings:

Table with 2 columns: Parameter and Rating. Includes 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 – J4 Ports with SMA(M)]
B2 [All SMA (M)]
B3 [COM Port with SMA(M)]

Control Function

- F1 [Inverse Logic, ("1" = Path "ON")]
F2 [2-Bit Binary Controls + Enable] ; see below for "Outline Drawing" and "Function Table"

Video Suppression Filter

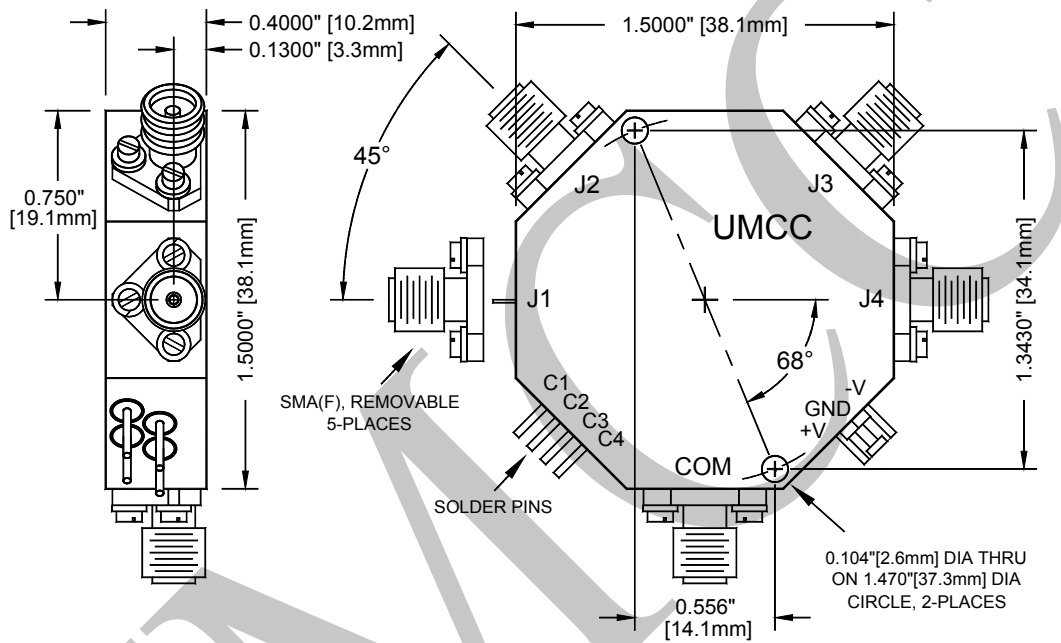
- G1 [VF @ COM Port <> 0.25 dB additional Loss]
G2 [VF @ J1 – J4 Ports <> 0.25 dB additional Loss]
G3 [VF @ All Ports <> 0.5 dB additional Loss]

* Recommended for Low Power Consumption <> Additional 50ns Switching Delay (On/Off Time)



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Outline

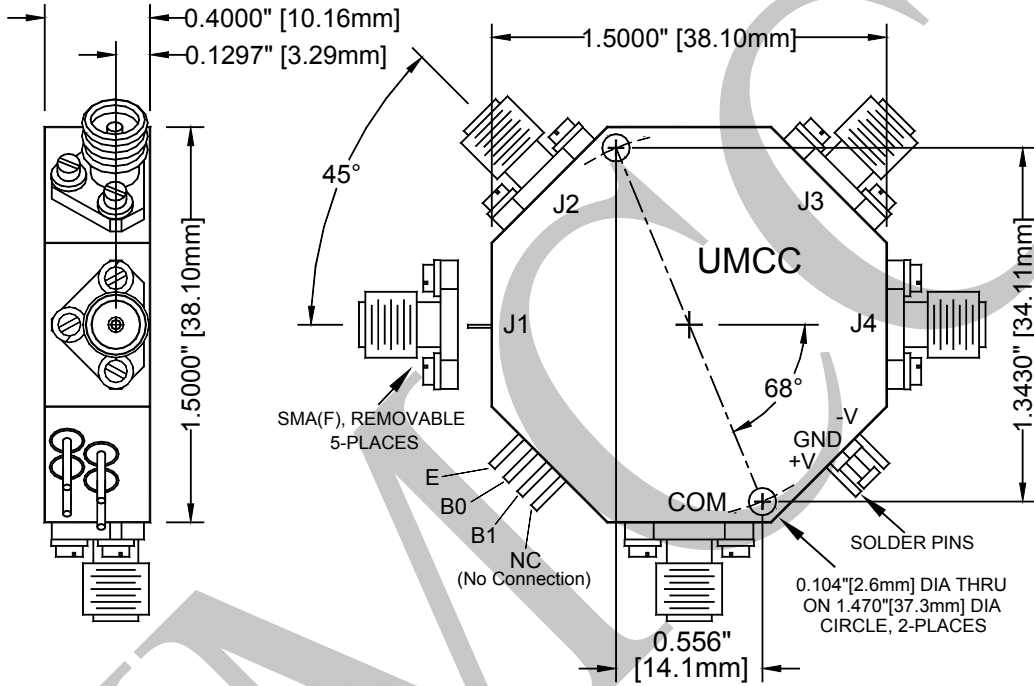


Weight	Tolerances
1.2 oz [34.0g]	±0.015" [±0.38mm]



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Outline Drawing (SP4T Radial with Option "F2")



Weight	Tolerances
1.2 oz [34.0g]	±0.015" [±0.38mm]

Function Table for Option "F2" (2-Bit Binary Control + Enable)

INPUTS			RF PATH			
E	B1	B0	J1	J2	J3	J4
1	0	0	ON	OFF	OFF	OFF
1	0	1	OFF	ON	OFF	OFF
1	1	0	OFF	OFF	ON	OFF
1	1	1	OFF	OFF	OFF	ON
0	X	X	OFF	OFF	OFF	OFF