



Model: SR-B000-TS

Description:..... DPDT, PIN-Transfer-Switch
Operating Frequency:..... 20 MHz – 6 GHz
Insertion Loss:..... 2dB Max
Isolation:

0.02 – 2 GHz	2 – 6 GHz
70 dB Min	60 dB Min

VSWR (“ON” paths):..... 1.5:1 Max (1.7:1 Over 20-30 MHz)
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):..... 200 ns Max
Operating Power:..... CW&AVG..... +30dBm Max
..... Peak:..... 5W @ 5µS PW Max
Control Input Characteristics:..... TTL /Unit-Load, 1-Control / Floating-High
Control Logic:..... Logic “0” = RF Path J1 to J2 & J3 to J4
..... Logic “1” = RF Path J1 to J4 & J3 to J2
Power Supplies:..... +5(±0.25)V @ 50mA Max
..... -12(±0.5)V @ 120mA 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]

■ **Control Impedance**

- D1 [50Ω, Internally Terminated]

■ **Control Function**

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

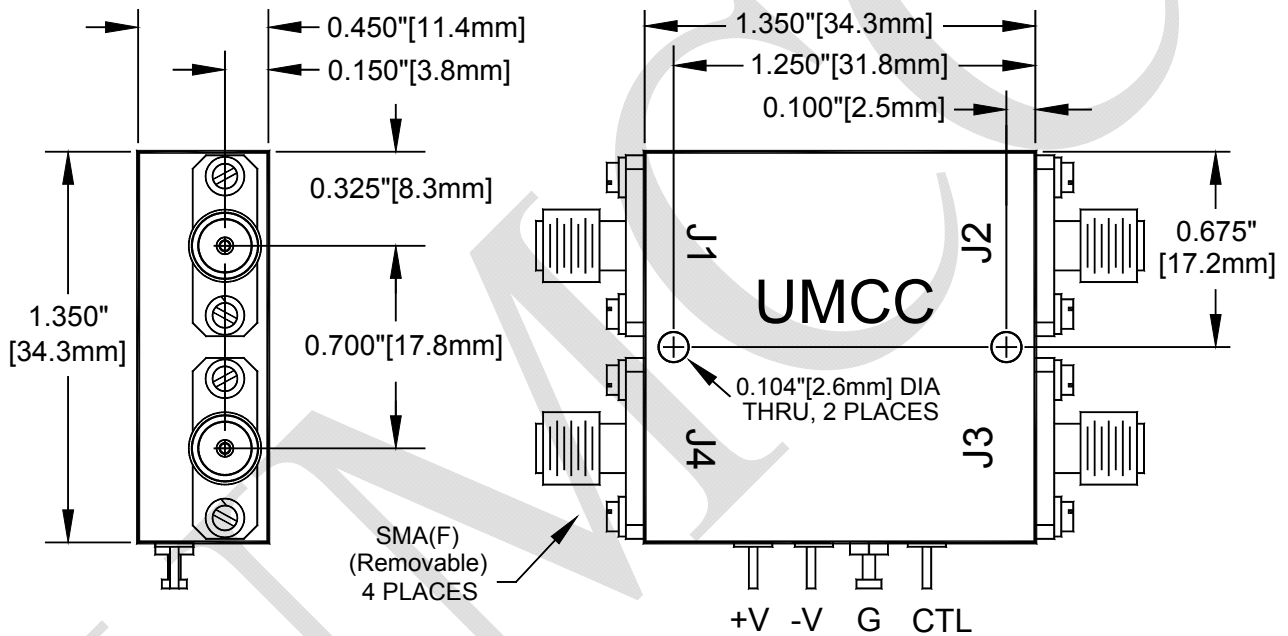
■ **RF Connectors**

- B1 [J1 & J3 Ports with SMA(M)]
- B2 [All SMA (M)]
- B3 [J2 & J4 Ports with SMA(M)]



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Outline



Weight	Tolerances
1.3 oz [36.9g]	±0.015" [±0.38mm]