Universal Microwave Components Corp.
5702-D General Washington Drive Alexandria, VA 22312 <> Web: www.umcc111.com
E-mail: sales@umcc111.com <> Tel: (703) 642-6332 <> Fax: (703) 642-2568

Model: SR-6010-3S

Description: ..... SP3T, Absorptive, PIN-Switch
Operating Frequency: ..... 30 – 6000 MHz
Insertion Loss: ..... 2.5 dB Max
Isolation:

30 – 1000 MHz	1000 - 6000 MHz
80 dB Min	70 dB Min

VSWR (RF Path "ON" or "OFF"): ..... 1.5:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): ..... 250 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): ..... 350 ns Max
Operating Power: ..... CW&AVG ..... +27dBm (+30dbm @ COM Port)
..... Peak: ..... 5W @ 5µS PW Max
Control Input Characteristics: ..... TTL / Unit-Load / Floating-High
Control Logic: ..... 3-Controls, Logic "0" = RF Path "ON"
Power Supplies: ..... +5(±0.25)V @ 110mA Max
..... -12(±0.5)V @ 70mA 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 – J3 Ports with SMA(M)]
- **B2** [All SMA (M)]
- **B3** [COM Port with SMA(M)]

■ ***Control Function***
- **F1** [Inverse Logic, ("1" = Path "ON")]
- **F2** [Binary Coded Logic, (2 Controls)]

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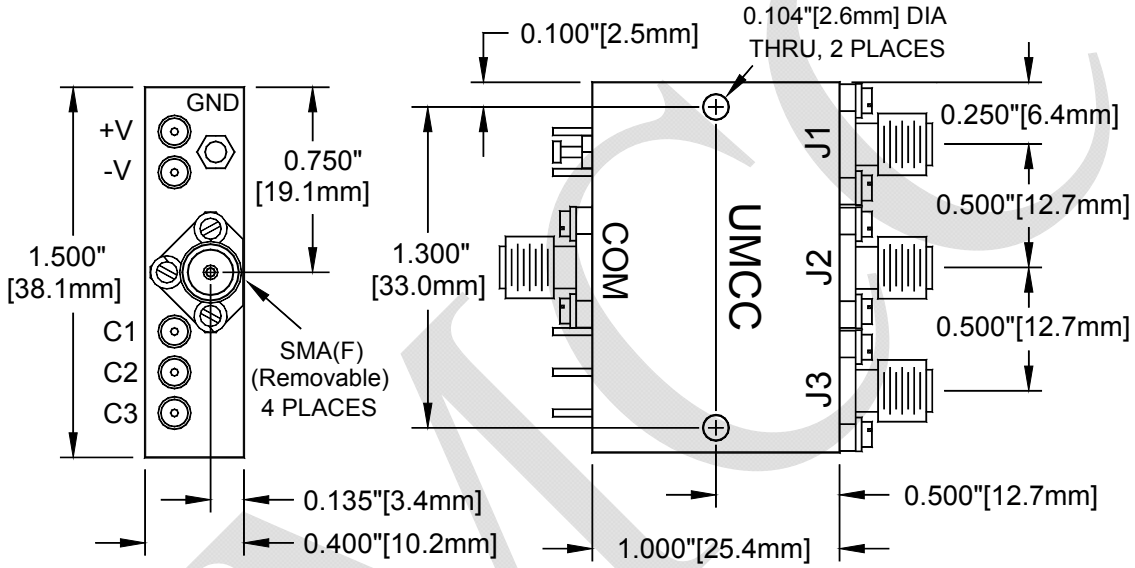
Outline



Weight	Tolerances
1.0 oz [28.3g]	±0.015" [±0.38mm]

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