



Model: SW-DA10-2S

| | |
|----------------------------------------------------|----------------------------------------|
| Description: | SP2T, Absorptive, PIN-Switch |
| Operating Frequency: | 200 – 4000 MHz |
| Insertion Loss: | 1.7 dB Max |
| Isolation: | 70 dB Min |
| VSWR (RF Path “ON” or “OFF”): | 1.5:1 Max |
| Rise/Fall time (10% to 90% RF, 90% to 10% RF): | 25 ns Max |
| On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF): | 60 ns Max |
| Phase Error (Port-to-Port): | ±2° max |
| Operating Power: | CW&AVG..... +27dBm (+30dbm @ COM Port) |
| | Peak: 8W @ 1µS PW Max |
| Control Input Characteristics: | TTL /Unit-Load, Floating-High |
| Control Logic: | 2-Controls, Logic “0” = RF Path “ON” |
| Power Supplies: | +5(±0.25)V @ 75mA Max |
| | -12(±0.5)V @ 50mA 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 & J2 Ports with SMA(M)]
- B2 [All SMA (M)]
- B3 [COM Port with SMA(M)]

■ **Control Connectors**

- C1 [SMC(Jack), 50 Ω]
- C2 [SMB(Jack), 50 Ω]

■ **Control Impedance**

- D1 [50 Ω, Internally Terminated]

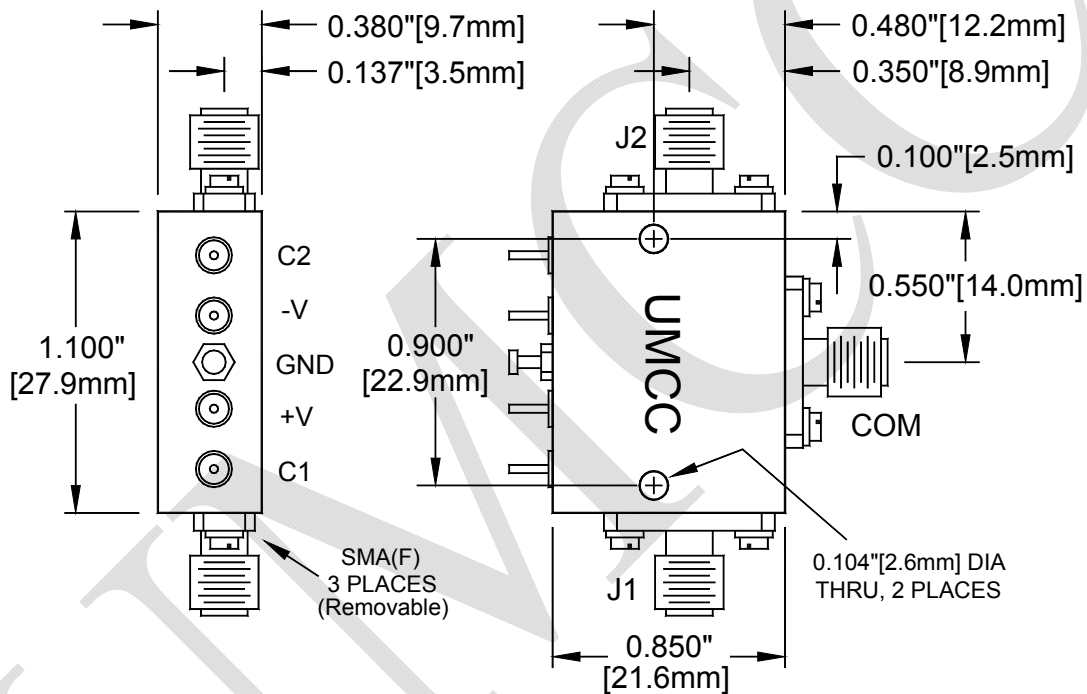
■ **Control Function**

- F1 [Inverse Logic, (“1” = Path “ON”)]
- F2 [Single Toggle Control (“1” for J1 path “ON”)]



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Outline



| Weight | Tolerances |
|-----------------|-------------------|
| 0.7 oz [19.8 g] | ±0.015" [±0.38mm] |