



**Model: SR-U000-TS**

Description:.....	DPDT, PIN-Transfer-Switch
Operating Frequency:.....	0.5 – 18 GHz
Insertion Loss: .....	2.9dB Max
Isolation: .....	70dB Min
VSWR (“ON” paths):.....	1.8:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF): ...	30 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):.....	75 ns Max
Operating Power:.....	CW&AVG..... +30dBm Max
.....	Peak: ..... 10W @ 1µS PW Max
.....	PRF: ..... 1MHz 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 @ 100mA Max
.....	-12(±0.5)V @ 100mA 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) ]

■ **Video Suppression Filter**

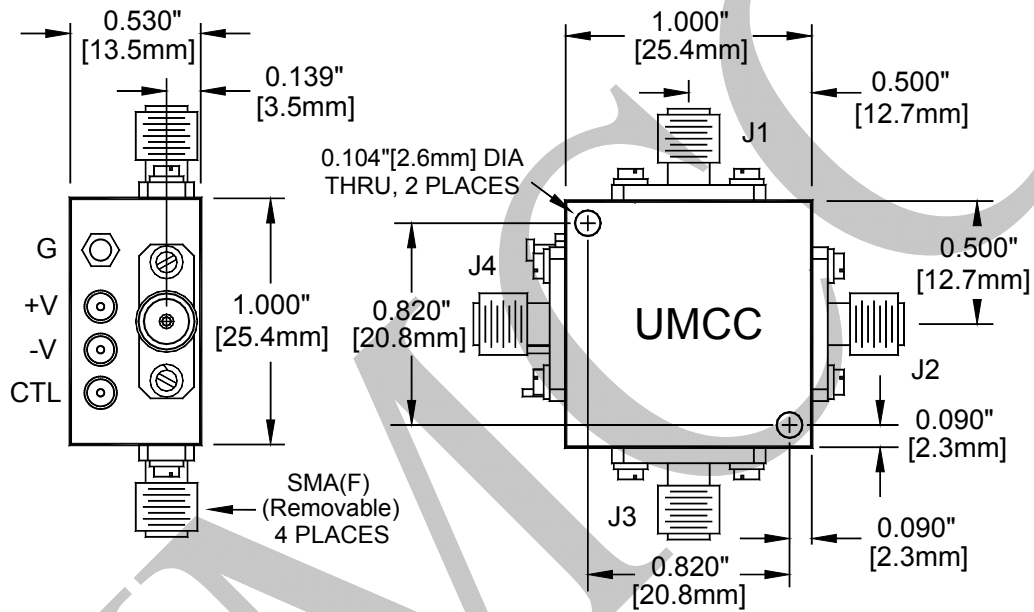
- G1 [ VF @ J1 & J3 Ports <> 0.25 dB additional Loss ]
- G2 [ VF @ J2 & J4 Ports <> 0.25 dB additional Loss ]
- G3 [ VF @ All Ports <> 0.5 dB additional Loss ]

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



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**Outline**



Weight	Tolerances
1.0 oz [28.4g]	±0.015" [±0.38mm]