

DESCRIPTION:

AMC MODEL # MSN-2DT-05-IND-561R310H01 IS A NON-REFLECTIVE / ABSORPTIVE SINGLE POLE TWO THROW HERMETICALLY SEALED SWITCH, WITH LOW INSERTION LOSS, A SINGLE +5V SUPPLY AND DECODER CONTROL THAT IS OPTIMIZED FOR 50 MHZ TO 500 MHZ.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
-	-	ORIGINAL RELEASE JOB# 307117E	5/18/00
A	A	SEE ECN# 04-076	5/18/04

SPECIFICATIONS:

- FREQUENCY: 50 MHz TO 500 MHz
- INSERTION LOSS: 2 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR INPUT / OUTPUT: 1.5:1
- SWITCHING SPEED: 2 us MAXIMUM (50% - 90% TTL)
- RECOVERY TIME: 200 ns MAXIMUM
- RF INPUT SIGNAL:
 - CW TYPICAL: +10 dBm
 - CW MAXIMUM: +20 dBm
 - PEAK MAXIMUM: +30 dBm PULSE, 1 us PW
- INPUT 1 dB COMPRESSION POINT: +10 dBm MINIMUM
- THIRD ORDER IP: +20 dBm MINIMUM
- POWER SUPPLY: +5V @ 100 mA MAX.
- HARMONICS AND SPURIOUS: RF INPUT SIGNALS +10 dBm MAX WILL RESULT IN OUTPUT HARMONIC OR SPURIOUS SIGNALS -70 dBm MAX
- CONTROL: TTL LOGIC
SEE LOGIC TABLE
- WEIGHT: APRX. 1.5 OUNCES
- SIZE: 1.00 (L) X 1.00 (W) X 0.40 (H)

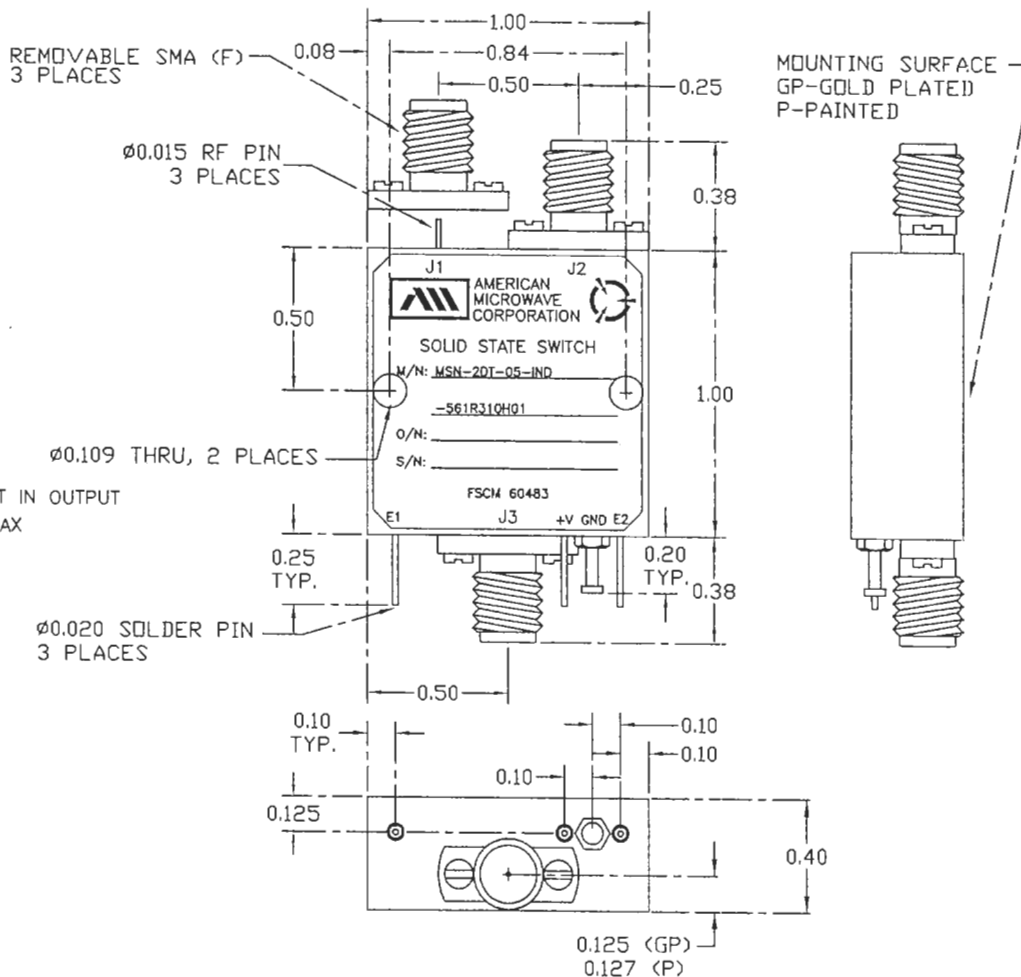
LOGIC TABLE:

E2	E1	PATH
0	1	J3 TO J1
1	0	J3 TO J2

ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°C TO +50°C (OPERATING)
-40°C TO +85°C (STORAGE)
 - THERMAL SHOCK: MIL-STD-202F, METHOD 107 COND. A
 - HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
 - SHOCK: MIL-STD-202F, METHOD 213B COND. B
 - VIBRATION: MIL-STD-202F, METHOD 204D COND. B
 - ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
 - TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A
 - HERMETIC SEAL: MIL-STD-202F, METHOD 112 COND. D OR EQUIVALENT
- NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010



PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN DPD/KAB	8/19/03	PRODUCT FEATURE MSN-2DT-05-IND OPTION: 561R310H01	
REDRAWN JDF	8/17/04	50 TO 500 MHZ SINGLE POLE TWO THROW SWITCH	
ISSUED LA	8/21/04	SIZE	FSCM NO.
		A	60483
		DWG NO.	REV.
		100-3922-10	A
SCALE N:S		SHEET 1 of 3	