

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
A		ORIGINAL RELEASE, JOB # 10103	11/22/92	<i>M-2</i>

DESCRIPTION

AMC MODEL SW-0406-TR IS A TRANSFER SWITCH MODULE CAPABLE OF HANDLING 1 WATT CW RF POWER.

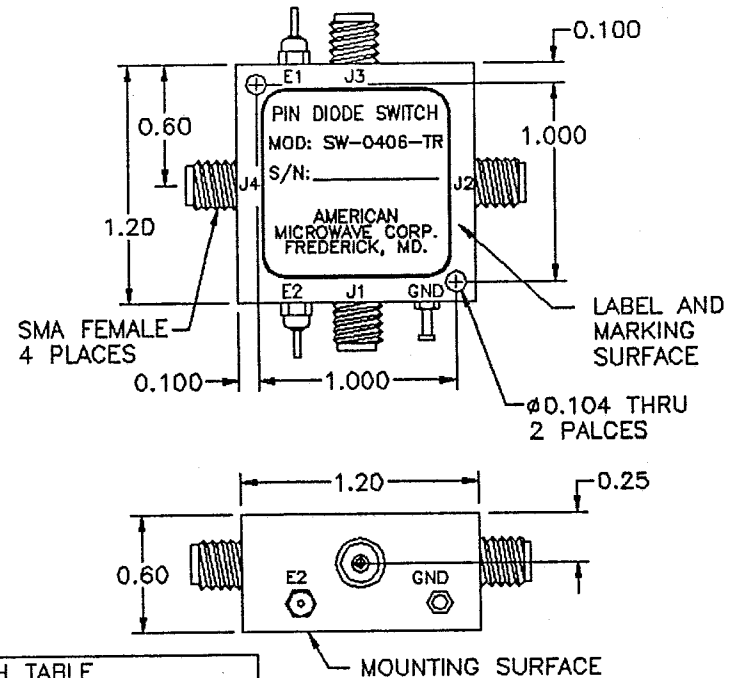
SPECIFICATIONS

- FREQUENCY RANGE 0.4-0.6 GHz MINIMUM
- INSERTION LOSS 0.8 dB MAXIMUM
- ISOLATION 80 dB MINIMUM
- VSWR 1.3:1 MAXIMUM
- RF POWER RATINGS +30 dBm CW MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 500 ns MAXIMUM
 - FALL (90% RF TO 10% RF) 500 ns MAXIMUM
 - ON (50% TTL TO 90% RF) 1 μ s MAXIMUM
 - OFF (50% TTL TO 10% RF) 1 μ s MAXIMUM
- CONTROL VOLTAGE CONTROLLED
2 DEPENDENT CONTROLS (TOGGLE)
-1V @ 80 mA TYPICAL
+1V @ 40 mA TYPICAL
(SEE TRUTH TABLE)
- CONNECTORS
 - RF PORTS SMA FEMALE
 - CONTROLS SOLDER PIN
- SIZE 1.20" x 1.20" x 0.60"

AVAILABLE OPTIONS

- A01 INTEGRAL TTL DRIVER
- A02 EXTENDED FREQUENCY BAND (CONSULT FACTORY)
- A03 SMC MALE CONTROL TERMINALS

MECHANICAL OUTLINE




TRUTH TABLE		
E2	E1	RF PATH ON
+1VDC	-1VDC	J2-J3 & J1-J4
-1VDC	+1VDC	J1-J2 & J3-J4

- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX \pm 0.020
X.XXX \pm 0.010
 - 3) WEIGHT: APPROX. 5 OZ

ENVIRONMENTAL RATINGS

- TEMPERATURE -55°C TO +95°C (OPERATING)
-65°C TO +125°C (STORAGE)
- 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

		AMERICAN MICROWAVE CORPORATION 7311G GROVE RD., FREDERICK, MD. 21701 TEL: (301) 662-4700 FAX: (301) 662-4938	
		PRODUCT FEATURE SW-0406-TR 0.4-0.6 GHz-TRANSFER SWITCH MODULE	
APPROVALS	DATE	SIZE	A
DRAWN <i>WSP</i> CHECKED <i>[Signature]</i>	11/22/92	SHEET 1 OF 2	DWG. # 100-2897