

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE, JOB # 106107	11/22/92	<i>[Signature]</i>

### DESCRIPTION

AMC MODEL SW-2000-3AH IS A REFLECTIVE SP3T SWITCH MODULE WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW LOSS AND LOW VSWR RF APPLICATIONS.

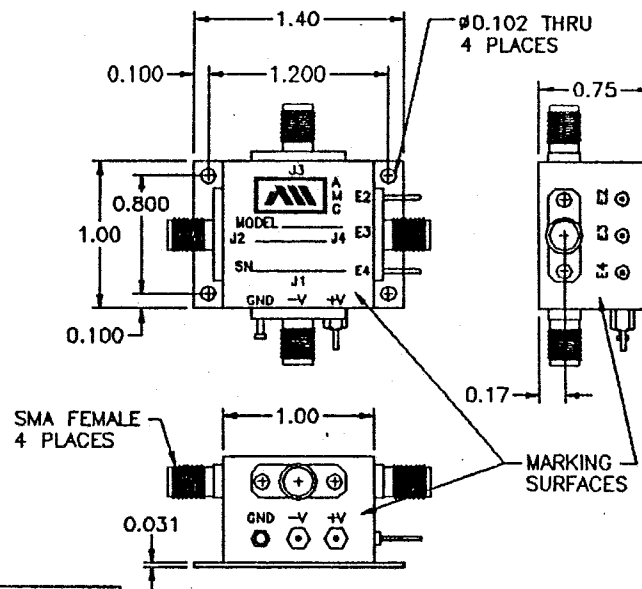
### SPECIFICATIONS

- FREQUENCY RANGE ..... 50-1500 MHz MINIMUM
- INSERTION LOSS ..... 1.5 dB MAXIMUM
- ISOLATION ..... 65 dB MINIMUM
- VSWR (ON) ..... 1.3:1 MAXIMUM
- RF POWER RATINGS ..... +20 dBm CW MAXIMUM
- SWITCHING TIME
  - RISE (10% RF TO 90% RF) ..... 250 ns MAXIMUM
  - FALL (90% RF TO 10% RF) ..... 250 ns MAXIMUM
  - ON (50% TTL TO 90% RF) ..... 500 ns MAXIMUM
  - OFF (50% TTL TO 10% RF) ..... 500 ns MAXIMUM
- CONTROLS ..... TTL COMPATIBLE, UNITY LOAD  
 LOGIC "0" = INSERTION LOSS  
 LOGIC "1" = ISOLATION  
 (SEE TRUTH TABLE)
- POWER SUPPLY ..... +5VDC ±5% @ 150 mA MAXIMUM  
 -5VDC ±5% @ 50 mA MAXIMUM
- CONNECTORS
  - RF INPUT/OUTPUT ..... SMA (FEMALE)
  - POWER ..... SOLDER PIN (EMI)
  - CONTROL ..... SOLDER PIN
- SIZE ..... 1.40" x 1.00" x 0.75"

### AVAILABLE OPTIONS

- A01 ..... 50Ω CONTROL IMPEDANCE
- A02 ..... 100Ω CONTROL IMPEDANCE
- A03 ..... INVERSE CONTROL LOGIC (LOGIC "0" ISOLATION)
- A13 ..... ±9VDC TO ±18VDC SUPPLY
- A14 ..... J1 SMA MALE, J2-J4 SMA FEMALE
- A15 ..... J1 SMA FEMALE, J2-J4 SMA MALE

### MECHANICAL OUTLINE



TRUTH TABLE					
E5	E4	E3	E2	RF PATH	
1	1	1	0	J1-J2	
1	1	0	1	J1-J3	
1	0	1	1	J1-J4	
0	1	1	1	J1-J5	

- NOTES:
- 1) DIMENSIONS ARE IN INCHES
  - 2) TOLERANCES: X.XX ±0.020  
X.XXX ±0.010
  - 3) WEIGHT: APPROX. 4 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



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APPROVALS	DATE
<i>[Signature]</i>	11/22/92
CHECKED	11/27/92

PRODUCT FEATURE		
SW-2000-3AH		
50-1500 MHz, REFLECTIVE SP3T SWITCH MODULE		
SIZE A	SHEET 1 OF 2	DWG. # 100-2889

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