

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A		ORIGINAL RELEASE, JOB # 207197-1E	11/22/92	<i>[Signature]</i>

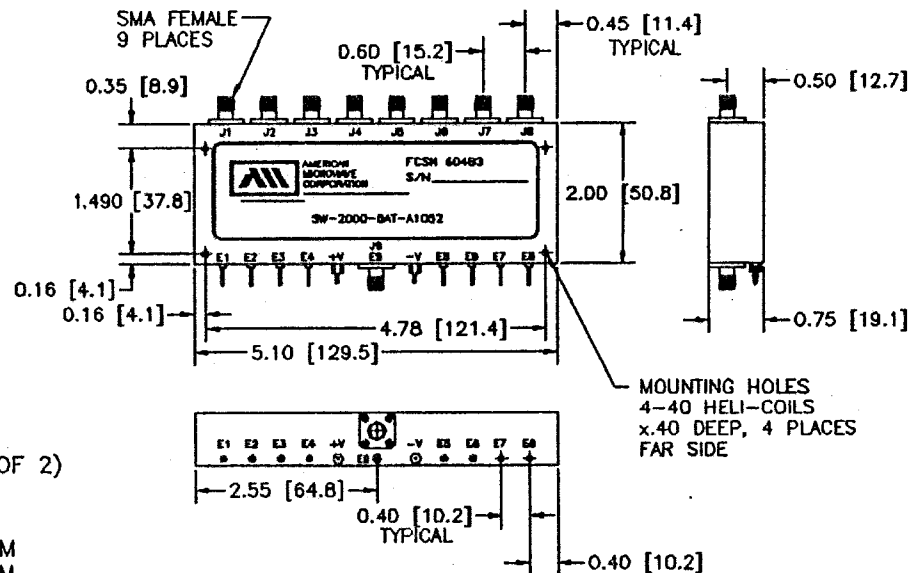
## DESCRIPTION

AMC MODEL SW-2000-8AT-A1052 IS AN ABSORPTIVE SP8T SWITCH MODULE WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW LOSS AND LOW VSWR BROAD BAND APPLICATIONS.

## SPECIFICATIONS

- FREQUENCY RANGE ..... 0.01-2.0 GHz MINIMUM
- INSERTION LOSS ..... 1.0 dB MAXIMUM
- ISOLATION ..... 65 dB MINIMUM
- VSWR (ON/OFF) ..... 1.3:1 MAXIMUM
- SWITCHING TIME
  - RISE (10% RF TO 90% RF) ..... 400 ns MAXIMUM
  - FALL (90% RF TO 10% RF) ..... 400 ns MAXIMUM
  - ON (50% TTL TO 90% RF) ..... 800 ns MAXIMUM
  - OFF (50% TTL TO 10% RF) ..... 800 ns MAXIMUM
- CONTROL ..... TTL COMPATIBLE, UNITY LOAD  
 LOGIC "0" = ISOLATION  
 LOGIC "1" = INSERTION LOSS  
 (SEE TRUTH TABLE ON SHEET 2 OF 2)
- RF POWER RATINGS ..... +27 dBm CW MAXIMUM
- POWER SUPPLY ..... +5VDC ±5% @ 350 mA MAXIMUM  
 -15VDC ±5% @ 100 mA MAXIMUM
- CONNECTORS
  - RF INPUT/OUTPUT ..... SMA (FEMALE)
  - POWER ..... SOLDER PIN
  - CONTROL ..... SOLDER PIN
- SIZE ..... 5.1" x 2.0" x 0.75"

## MECHANICAL OUTLINE



### NOTES:

- 1) DIMENSIONS ARE IN INCHES [MILLIMETERS]
- 2) TOLERANCES: X.XX ±0.020  
X.XXX ±0.010
- 3) WEIGHT: APPROX. 10 OZ

## AVAILABLE OPTIONS

- A01 ..... 50Ω CONTROL IMPEDANCE
- A02 ..... 100Ω CONTROL IMPEDANCE
- A03 ..... INVERSE CONTROL LOGIC (LOGIC "0" INSERTION LOSS)
- A08 ..... SMA MALE CONNECTORS
- A10 ..... ±12VDC TO ±15VDC SUPPLY POWER
- A12 ..... 3 BIT BINARY TTL LOGIC

## 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
DRAWN: <i>[Signature]</i> CHECKED: <i>[Signature]</i>	11/22/92
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PRODUCT FEATURE		
<b>SW-2000-8AT-A1052</b>		
0.01-2.0 GHz, NON-REFLECTIVE, SP8T SWITCH MODULE		
SIZE A	SHEET 1 OF 2	DWG. # 100-2877