

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A		ORIGINAL RELEASE, JOB # 2765E	11/22/92	<i>[Signature]</i>

DESCRIPTION

AMC MODEL SW-2250-3AT IS AN ABSORPTIVE SP3T SWITCH MODULE WITH INTEGRAL TTL DRIVER DESIGNED FOR LOW LOSS, LOW VSWR, AMPLITUDE AND PHASE BALANCED APPLICATIONS.

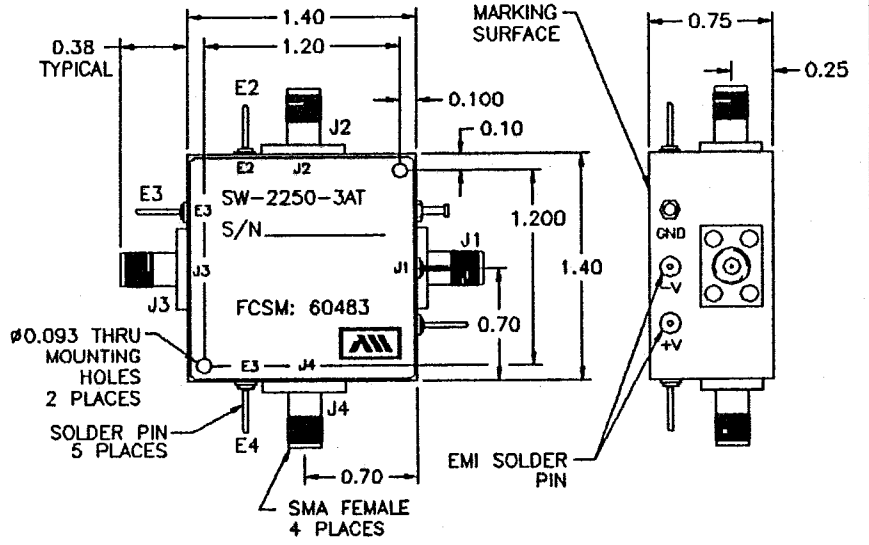
SPECIFICATIONS

- FREQUENCY RANGE 500 MHz-2.25 GHz MINIMUM
- INSERTION LOSS 1.3 dB MAXIMUM
- AMPLITUDE BALANCE ±0.1 dB MAXIMUM
- PHASE BALANCE ±1° MAXIMUM
- ISOLATION 65 dB MINIMUM
- VSWR (ON/OFF) 1.4:1 MAXIMUM
- SWITCHING TIME 3 MHz PRF MAXIMUM
 - RISE (10% RF TO 90% RF) 50 ns MAXIMUM
 - FALL (90% RF TO 10% RF) 50 ns MAXIMUM
 - ON (50% TTL TO 90% RF) 150 ns MAXIMUM
 - OFF (50% TTL TO 10% RF) 150 ns MAXIMUM
- RF POWER RATINGS +23 dBm CW MAXIMUM
- RF LEAKAGE (CONDUCTIVE/RADIATED) .. 60 dBc MINIMUM
- IN-BAND VIDEO LEAKAGE -65 dBm MAXIMUM @ 500 MHz
- CONTROLS TTL COMPATIBLE, UNITY LOAD
3 INDIVIDUAL CONTROLS
LOGIC "0" = INSERTION LOSS
LOGIC "1" = ISOLATION
- POWER SUPPLY +5VDC ±5% @ 70 mA MAXIMUM
-5VDC ±5% @ 50 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT SMA (FEMALE)
POWER SOLDER PIN (EMI)
CONTROL SOLDER PIN
- SIZE 1.40" x 1.40" x 0.75"

AVAILABLE OPTIONS

- A01 50Ω CONTROL IMPEDANCE
- A02 100Ω CONTROL IMPEDANCE
- A03 INVERSE CONTROL LOGIC (LOGIC "0" ISOLATION)
- A14 J1 SMA MALE, J2-J4 SMA FEMALE
- A15 J1 SMA FEMALE, J2-J4 SMA MALE
- A16 ±9 TO ±18VDC POWER SUPPLY

MECHANICAL OUTLINE



- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±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



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PRODUCT FEATURE		
SW-2250-3AT		
0.5-2.25 GHz, AMPLITUDE AND PHASE BALANCED, NON-REFLECTIVE, SP3T SWITCH MODULE		
SIZE A	SHEET 1 OF 2	DWG. # 100-2858

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