

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
A		ORIGINAL RELEASE, JOB # 207181-2	11/22/92	<i>[Signature]</i>

DESCRIPTION

AMC MODEL SW-2181-3AT-10 IS AN ABSORPTIVE SP3T SWITCH MODULE WITH INTEGRAL TTL DRIVER.

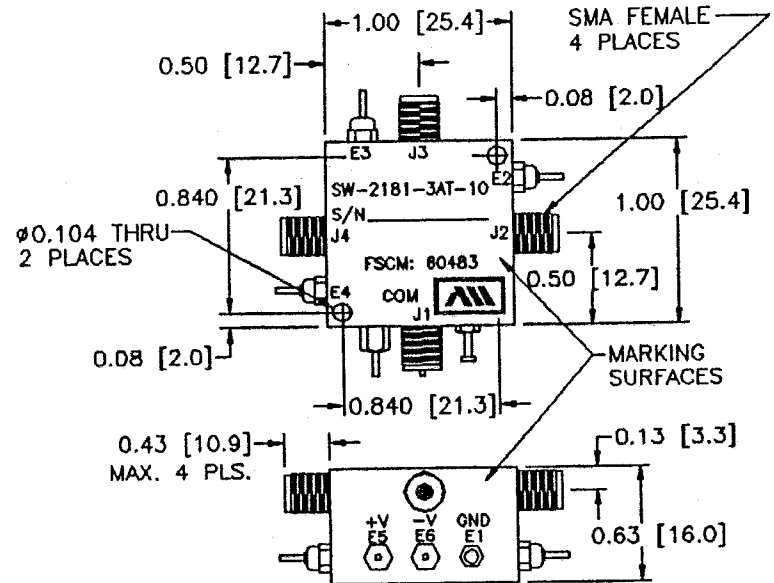
SPECIFICATIONS

- FREQUENCY RANGE 1-2 GHz MINIMUM
- INSERTION LOSS 1.5 dB MAXIMUM
- ISOLATION 60 dB MINIMUM
- VSWR (ON/OFF) 1.4:1 MAXIMUM
- RF POWER RATINGS 1 WATT CW MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 100 ns MAXIMUM
 - FALL (90% RF TO 10% RF) 100 ns MAXIMUM
 - ON (50% TTL TO 90% RF) 150 ns MAXIMUM
 - OFF (50% TTL TO 10% RF) 150 ns MAXIMUM
- CONTROL TTL COMPATIBLE, UNITY LOAD
3 INDIVIDUAL CONTROLS
LOGIC "0" = INSERTION LOSS
LOGIC "1" = ISOLATION
(SEE TRUTH TABLE)
- POWER SUPPLY +5VDC ±5% @ 130 mA MAXIMUM
-15VDC ±5% @ 60 mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT SMA FEMALE
 - POWER SOLDER PIN
 - CONTROL SOLDER PIN
- SIZE 1.00" x 1.00" x 0.63"

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 -5 VDC SUPPLY
- A17 +12 TO +15 SUPPLY
- A18 EXTENDED FREQUENCY BAND (CONSULT FACTORY)

MECHANICAL OUTLINE




E4	E3	E2	RF PATH
1	1	0	J1-J2
1	0	1	J1-J3
0	1	1	J1-J4

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

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-2181-3AT-10 1-2 GHz, NON-REFLECTIVE, SP3T SWITCH MODULE	
APPROVALS <i>[Signature]</i> DATE 11/22/92	APPROVALS <i>[Signature]</i> DATE 11/22/92	SIZE A	SHEET 1 OF 2