

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
A		ORIGINAL RELEASE, JOB # 208212E	11/22/92	<i>JW</i>

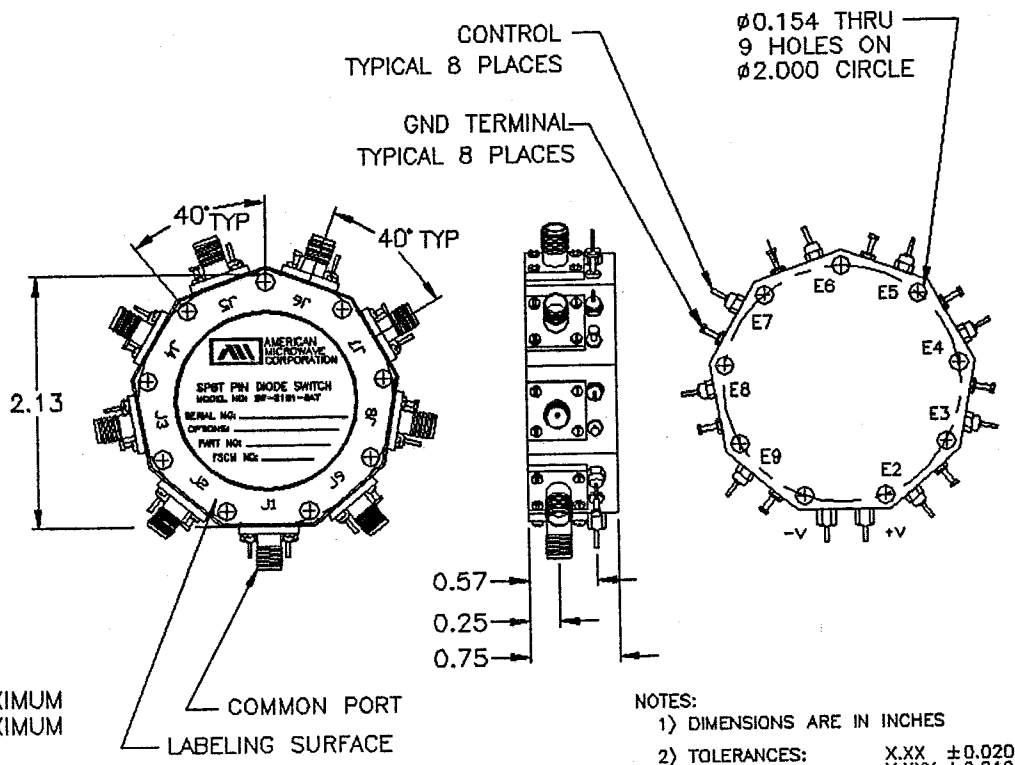
DESCRIPTION

AMC MODEL SW-2181-8AT IS AN ABSORPTIVE BROAD BAND SP8T SWITCH MODULE WITH INTEGRAL TTL DRIVER, PACKAGED IN A RADIAL HOUSING.

SPECIFICATIONS

- FREQUENCY RANGE 1-20 GHz MINIMUM
- INSERTION LOSS 1-8 GHz 2.5 dB MAXIMUM
8-18 GHz 3.5 dB MAXIMUM
18-20 GHz 4.5 dB MAXIMUM
- ISOLATION 1-18 GHz, 65 dB MINIMUM
18-20 GHz, 60 dB MINIMUM
- VSWR (ON/OFF) 2:1 MAXIMUM
- SWITCHING TIME
RISE (10% RF TO 90% RF) 200 nS MAXIMUM
FALL (90% RF TO 10% RF) 10 nS MAXIMUM
ON (50% TTL TO 90% RF) 800 nS MAXIMUM
OFF (50% TTL TO 10% RF) 20 nS MAXIMUM
- RF POWER RATINGS +27 dBm, MAXIMUM
- CONTROL TTL COMPATIBLE, UNITY LOAD
8 INDIVIDUAL CONTROLS
LOGIC "0" = ISOLATION
LOGIC "1" = INSERTION LOSS
- POWER SUPPLY +5VDC ±5% @ 280 mA MAXIMUM
-15VDC ±5% @ 75 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT SMA FEMALE
POWER SOLDER PIN
CONTROL SOLDER PIN
- SIZE 2.13" DIAMETER x 0.75" THICK

MECHANICAL OUTLINE




- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
 - 3) WEIGHT: APPROX. 4.5 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

AVAILABLE OPTIONS

- A01 50Ω CONTROL IMPEDANCE
- A02 100Ω CONTROL IMPEDANCE
- A03 INVERSE CONTROL LOGIC (LOGIC "0" INSERTION LOSS)
- A04 EXTENDED FREQUENCY RANGE TO 100 MHz
- A07 INPUT/OUTPUT VIDEO FILTER (0.5 dB EXCESS LOSS)
- A08 SMA MALE CONNECTORS
- A10 +12 TO +15VDC SUPPLY
- A12 3 BIT BINARY TTL LOGIC DECODER

		AMERICAN MICROWAVE CORPORATION 7311G GROVE RD., FREDERICK, MD. 21701 TEL: (301) 662-4700 FAX: (301) 662-4938	
		PRODUCT FEATURE SW-2181-8AT RADIAL 1 TO 20 GHz, NON-REFLECTIVE, SP8T SWITCH MODULE	
APPROVALS DRAWN <i>WSP</i> CHECKER <i>[Signature]</i>	DATE 11/22/92 11/22/92	SIZE A	SHEET 1 OF 2
		DWG. # 100-2825	

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