

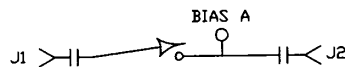
**DESCRIPTION:**

AMC MODEL NUMBER SWN-2184-1A OPTIONS 110, ITT IS A 5.4 GHz TO 5.9 GHz IS A SINGLE POLE SINGLE THROW PIN DIODE SWITCH WITH LOW INSERTION LOSS AND VERY HIGH ISOLATION, WITH INTEGRAL TTL DRIVE. DESIGNED TO OPERATE OVER THE 5.4 GHz TO 5.9 GHz FREQUENCY RANGE.

**SPECIFICATIONS:**

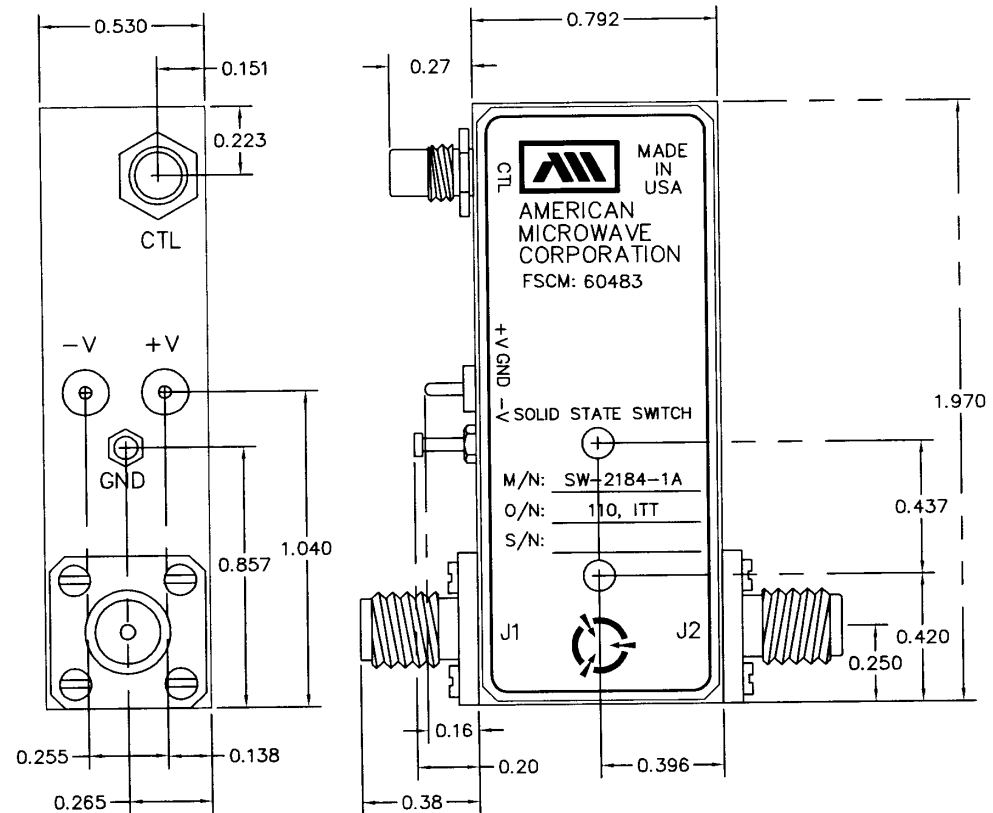
- FREQUENCY: 5.4 GHz TO 5.9 GHz
- INSERTION LOSS: 3.0 dB MAXIMUM
- VSWR: 11 dBR
- ISOLATION: 85 dB MINIMUM
- SPEED: RISE: 100 nS MINIMUM, 150 nS MAXIMUM
- POWER INPUT: 33 dBm CW MAXIMUM @ 5.4 GHz TO 5.9 GHz
- RF CONNECTORS: SMA FEMALE
- DC POWER SUPPLY: +5VDC @ 75 mA MAXIMUM  
-15VDC @ 25 mA MAXIMUM
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- WEIGHT: 1.5 OUNCES TYPICAL

BLOCK DIAGRAM



| ZONE |  | REV. | DESCRIPTION                   | DATE     | APPROVED |
|------|--|------|-------------------------------|----------|----------|
|      |  | -    | ORIGINAL RELEASE, JOB# 904057 | 10/30/03 |          |

**MECHANICAL OUTLINE**



**CONFIDENTIAL AND PROPRIETARY**

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: -55°C TO +85°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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.010  
X.XXX ±0.005

|                     |          |  |                   |
|---------------------|----------|--|-------------------|
| PART NO.            |          | AMERICAN MICROWAVE CORPORATION<br>FREDERICK, MARYLAND      |                   |
| APPROVALS           | DATE     | TITLE<br>PRODUCT FEATURE<br>SW-2184-1A<br>OPTIONS 110, ITT |                   |
| DRAWN<br><i>WJL</i> | 10/30/03 | SIZE<br>A  | FSCM NO.<br>60483 |
| CHECKED             |          | DWG NO.<br>100-6818  | REV.<br>-         |
| ISSUED              |          | SCALE<br>N:S   | SHEET<br>1 of 3   |