

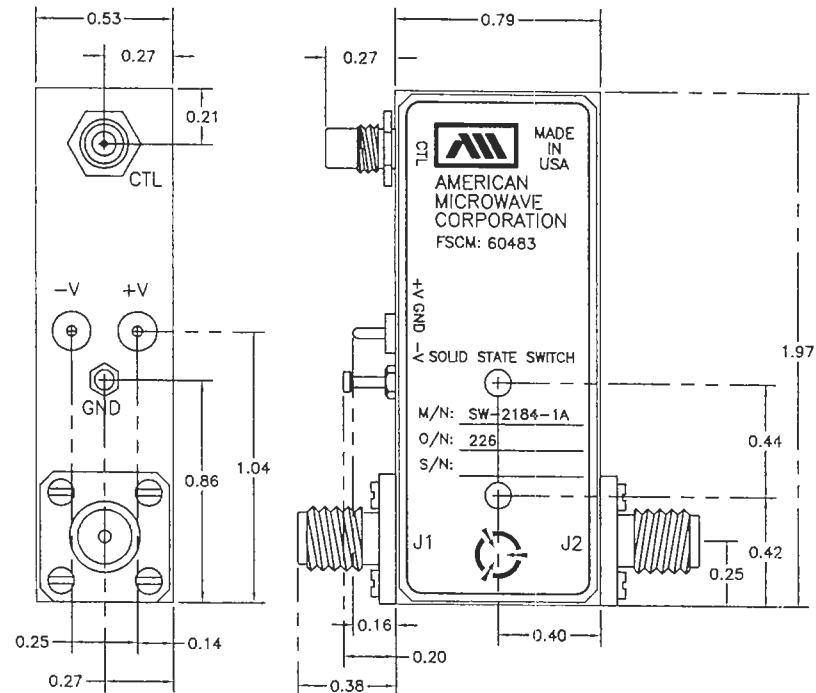
## DESCRIPTION

AMC MODEL NUMBER SW-2184-1A OPTION: 226 IS A 700 TO 800 MHz SINGLE POLE SINGLE THROW PIN DIODE SWITCH WITH AN INSERTION LOSS OF 3 dB MAXIMUM, 2 dB TYPICAL AND ISOLATION OF 100 dB MINIMUM.

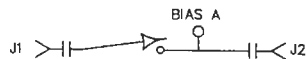
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE JOB# 405090	5/21/04	

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 700 TO 800 MHz
- INSERTION LOSS: ..... 3 dB MAXIMUM; 2 dB TYPICAL
- VSWR: ..... 1.9:1
- ISOLATION: ..... 100 dB MINIMUM
- SPEED: ..... RISE TIME: 10 nSec MAXIMUM  
FALL TIME: 10 nSec MAXIMUM  
DELAY ON: 20 nSec MAXIMUM  
DELAY OFF: 20 nSec MAXIMUM
- RF CONNECTORS: ..... SMA FEMALE
- DC POWER SUPPLY: ..... +5V ± 5% @ 100 mA MAXIMUM  
-5V ± 5% @ 100 mA MAXIMUM
- CONTROL: ..... ECL SINGLE ENDED
- WEIGHT: ..... 1.5 OUNCES TYPICAL



BLOCK DIAGRAM



## 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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN	JDJ	5/21/04	PRODUCT FEATURE SW-2184-1A OPTION: 226 700 TO 800 MHz, SINGLE POLE SINGLE THROW SWITCH			
CHECKED	PA	8/3/04	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	60483	100-6997	-
			SCALE	N:S		SHEET 1 OF 3