

**DESCRIPTION:**

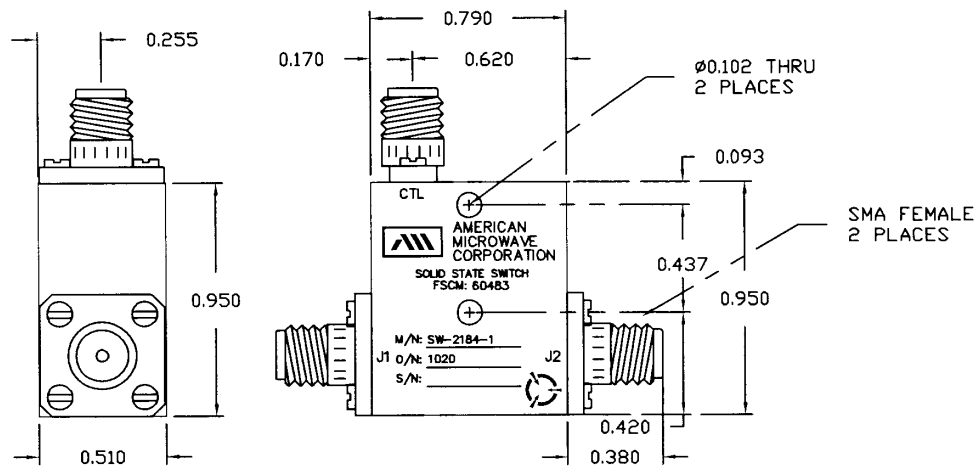
AMC MODEL NUMBER SW-2184-1 OPTION 1020 IS A SINGLE POLE SINGLE THROW, REFLECTIVE, PIN DIODE SWITCH DESIGNED TO OPERATE FROM 10 TO 20 GHz WITH LOW INSERTION LOSS AND HIGH ISOLATION.

ZONE		REV.	DESCRIPTION	DATE	APPROVED
-			ORIGINAL RELEASE, JOB# 903042E	10/29/03	

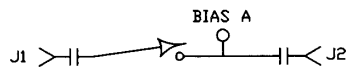
**SPECIFICATIONS:**

- FREQUENCY: 10 GHz TO 20 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 70 dB MINIMUM
- VSWR: 1.9:1
- SPEED: RISE: 10 nS MAXIMUM  
FALL: 10 nS MAXIMUM
- RF CONNECTORS: SMA FEMALE
- DRIVER CONTROL: PATH "ON" = -10VDC  
PATH "OFF" = +30 mA
- WEIGHT: 1.5 OUNCES TYPICAL
- SIZE: 0.95 X 0.79 X 0.51

**MECHANICAL OUTLINE**



**BLOCK DIAGRAM**



**CONFIDENTIAL AND PROPRIETARY**

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: -10°C TO +55°C (OPERATING)  
-40°C TO +71°C (STORAGE)
- HUMIDITY: 95% OVER TEMPERATURE
- 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 FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE PRODUCT FEATURE SW-2184-1 OPTION 1020	
DRAWN <i>WJCS</i>	10/29/03		
CHECKED			
ISSUED		SIZE A	FSCM NO. 60483
		DWG NO. 100-6815	REV. -
		SCALE N: S	SHEET 1 of 3