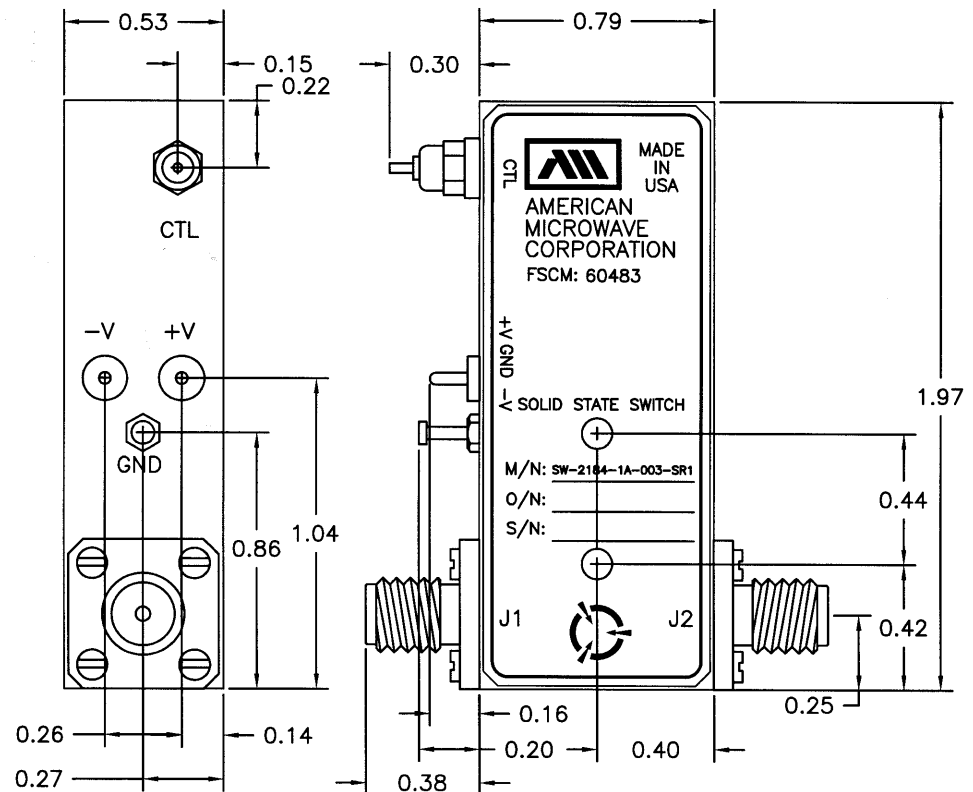


DESCRIPTION

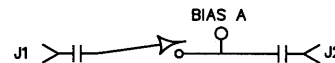
AMC MODEL SW-2184-1A-003-SR1 IS A REFLECTIVE SINGLE POLE SINGLE THROW SWITCH DESIGNED TO OPERATE OVER THE 2 TO 16 GHz FREQUENCY RANGE WITH LOW INSERTION LOSS AND HIGH ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 16 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 80 dB MINIMUM
- VSWR: 2.0:1
- RISE TIME: 10 nSEC MAXIMUM
- FALL TIME: 10 nSEC MAXIMUM
- DELAY ON: 30 nSEC MAXIMUM
- DELAY OFF: 30 nSEC MAXIMUM
- RF POWER: 2 WATT AVERAGE, 10 WATT PEAK
- CONTROL: TTL LOGIC "0" = OFF
TTL LOGIC "1" = ON
- POWER SUPPLY: +5V @ 70 mA MAXIMUM
-5V @ 40 mA MAXIMUM
- FREQUENCY FLATNESS: 1 dB
- RF LEAKAGE: -85 dB
- CONNECTORS:
RF: SMA FEMALE
CONTROL: SOLDER TYPE CONTROL
- SIZE: 1.97" (L) x 0.79" (W) x 0.53" (H)
- WEIGHT: 1.5 OUNCE 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 502066	03/17/05	

AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
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TEL: 301-662-4700 FAX: 301-662-4938
WEBSITE: www.americanmicrowavecorp.com
E-MAIL: sales@americanmicrowavecorp.com
ISO 9001:2000 CERTIFIED



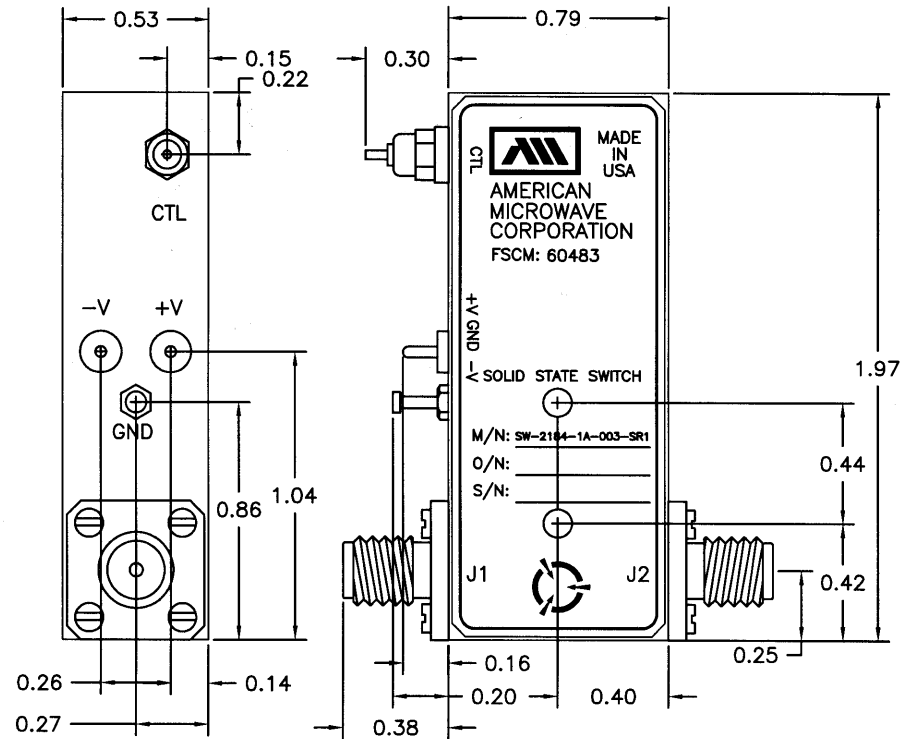
APPROVALS		DATE	TITLE		
DRAWN <i>WJL</i>		03/17/05	PRODUCT FEATURE		
CHECKED			SW-2184-1A-003-SR1		
ISSUED			2 - 16 GHz PIN DIODE SWITCH		
SIZE	FSCM NO.	DWG NO.	REV.		
A	60483	100-7384	-		
SCALE N:S			SHEET 1 OF 3		

DESCRIPTION

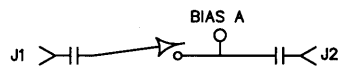
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE JOB# 502066	09/17/05	

MECHANICAL OUTLINE



BLOCK DIAGRAM



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

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APPROVALS		DATE	TITLE		
DRAWN <i>WPL</i>		09/17/05	MECHANICAL OUTLINE		
CHECKED			SW-2184-1A-003-SR1		
ISSUED			2 - 16 GHz PIN DIODE SWITCH		
SIZE	FSCM NO.	DWG NO.	REV.		
A	60483	100-7384	-		
SCALE N:S			SHEET 2 OF 3		