

DESCRIPTION:

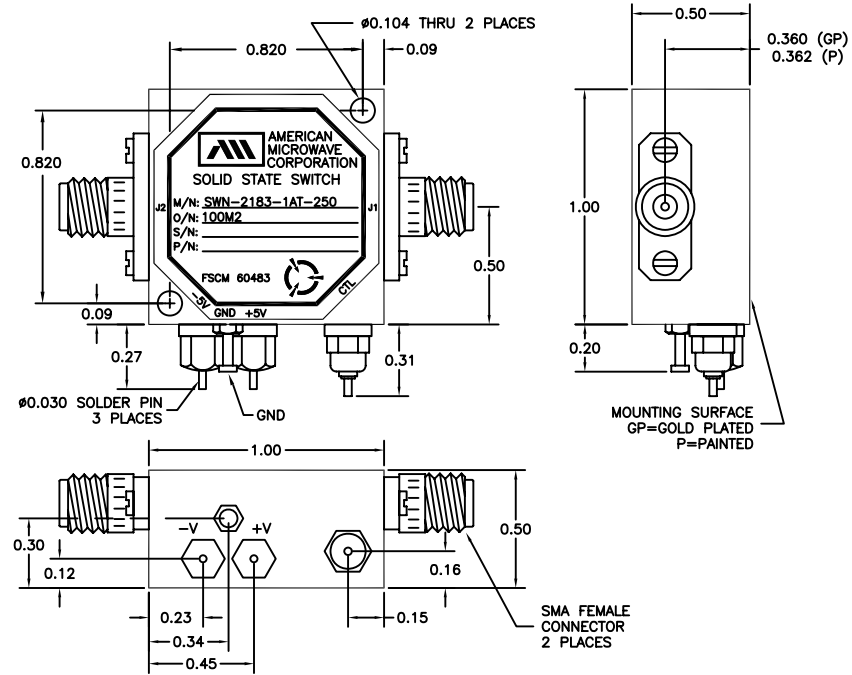
AMC MODEL NUMBER SWN-2183-1AT-250 OPTION 100M2 IS A SINGLE POLE SINGLE THROW TERMINATED SWITCH MODULE WITH LOW INSERTION LOSS, VERY HIGH ISOLATION, DESIGNED FOR 0.1 GHz TO 1.65 GHz FREQUENCY RANGE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE, JOB# 402018-6	02/26/04	
	A	SEE ECN# 10-004	2/3/10	RA

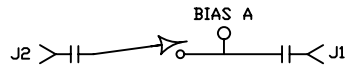
MECHANICAL OUTLINE

SPECIFICATIONS:

- FREQUENCY: 0.1 GHz TO 1.65 GHz
- INSERTION LOSS: 1.5 dB MAXIMUM
- ISOLATION: 80 dB MINIMUM
- VSWR: 2.0:1
- SPEED: DELAY ON: 1 uSEC MAXIMUM (50% TTL TO 90% RF)
 DELAY OFF: 1 uSEC MAXIMUM (50% TTL TO 10 % RF)
- DC POWER SUPPLY: +5VDC @ 100 mA MAXIMUM
 -5VDC @ 75 mA MAXIMUM
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- WEIGHT: 1.5 OUNCES TYPICAL
- RF POWER INPUT: +10 dBm CW MAXIMUM @ 0.1 GHz TO 1.65 GHz
- RF CONNECTORS: SMA FEMALE
- SIZE: 1.00" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: 1.5 OUNCE TYPICAL



BLOCK DIAGRAM



ENVIRONMENTAL RATINGS

- TEMPERATURE RANGE: -20° TO +70°
- 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

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

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

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN	<i>EJE</i>	02/26/04	TITLE PRODUCT FEATURE SWN-2183-1AT-250 OPTIONS 100M2 0.1 TO 1.65 GHz, SINGLE POLE SINGLE THROW SWITCH	
REDRAWN	<i>JDJ</i>	8/25/04	SIZE	FSCM NO.
ISSUED			A	60483
			DWG NO.	100-6929
			REV.	A
SCALE N/S			SHEET 1 of 3	