

DESCRIPTION:

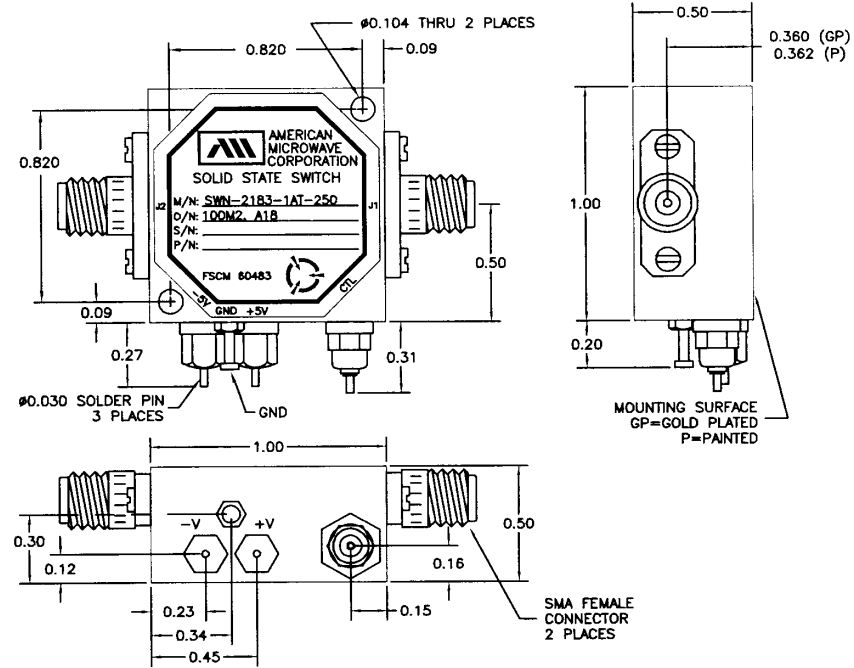
AMC MODEL NUMBER SWN-2183-1AT-250 OPTION 100M2, A18 IS A SINGLE POLE SINGLE THROW TERMINATED SWITCH MODULE WITH LOW INSERTION LOSS, VERY HIGH ISOLATION, DESIGNED FOR 0.1 GHz TO 1.65 GHz FREQUENCY RANGE.

SPECIFICATIONS:

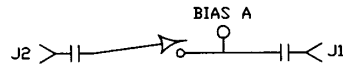
- FREQUENCY: 0.1 GHz TO 1.65 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- ISOLATION: 80 dB MINIMUM
- VSWR: 2.0:1
- SPEED: DELAY ON: 1 uSEC MAXIMUM (50% TTL TO 90% RF)
DELAY OFF: 1 uSEC MAXIMUM (50% TTL TO 10 % RF)
- DC POWER SUPPLY: +5VDC @ 100 mA MAXIMUM
-15VDC @ 75 mA MAXIMUM
- CONTROL: TTL LOGIC "0"=ON "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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-		ORIGINAL RELEASE, JOB# 901009E	10/30/09	

MECHANICAL OUTLINE



BLOCK DIAGRAM



ENVIRONMENTAL RATINGS

- TEMPERATURE: -0°C TO +50°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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN		10/30/09	TITLE	
CHECKED			PRODUCT FEATURE	
ISSUED			SWN-2183-1AT-250	
			OPTIONS 100M2, A18	
SIZE	FSCM NO.	DWG NO.	REV.	
A	60483	100-6819	-	
SCALE	N/S		SHEET	1 of 3