

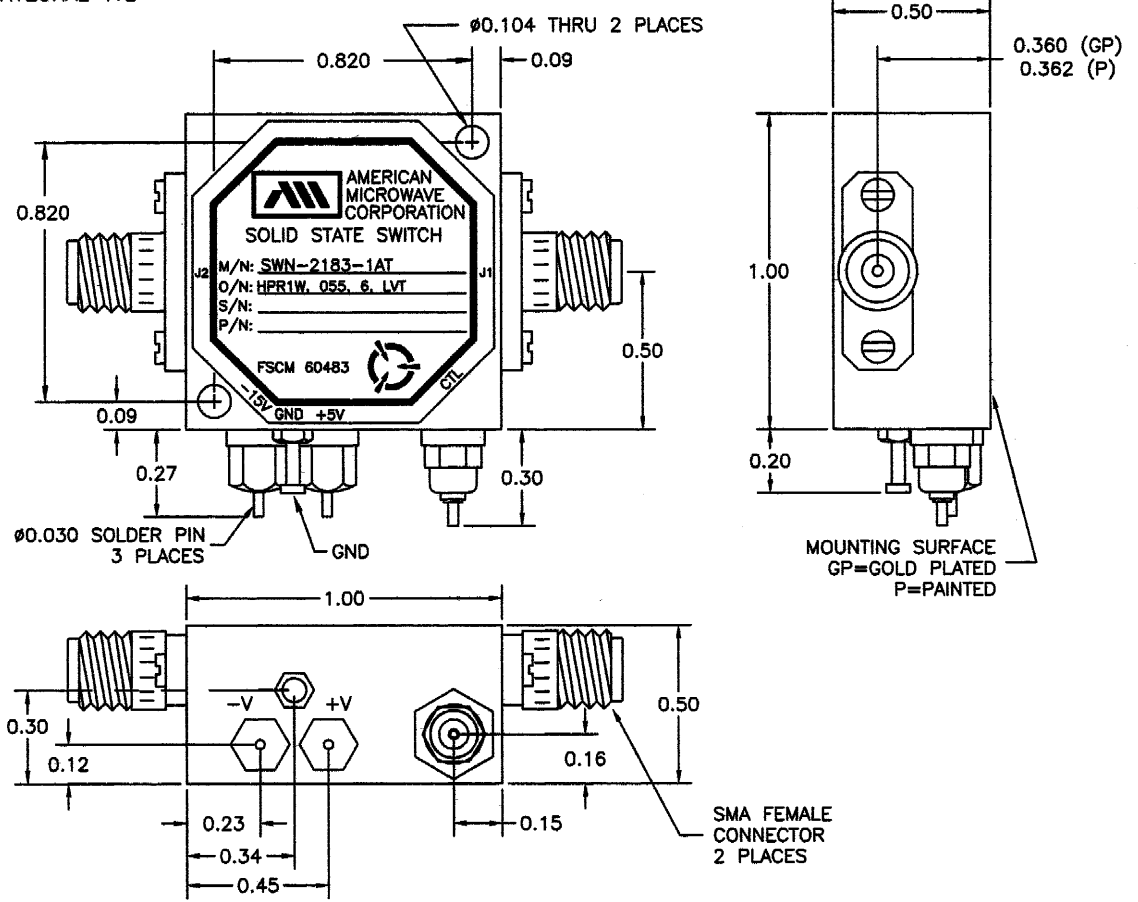
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL JOB # 909161E-1	12/10/99	

**DESCRIPTION:**

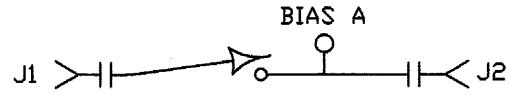
AMC MODEL SWN-2183-1AT OPTIONS HPR1W, 055, 6, LVT IS A HIGH POWER (1 WATT), LOW VIDEO TRANSIENT NON-REFLECTIVE/ABSORPTIVE SINGLE POLE SINGLE THROW SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 500 MHz TO 5 GHz OPERATION.

**SPECIFICATIONS:**

- FREQUENCY: ..... 500 MHz TO 5 GHz
- INSERTION LOSS: ..... 1.5 dB MAXIMUM
- ISOLATION: ..... 60 dB MINIMUM
- VSWR: ..... IN/OUT, OUT OFF: 2.0:1
- VIDEO TRANSIENT:
  - 300 MHz BW: ..... 400 mV PEAK TO PEAK TYPICAL
  - 20 MHz BW: ..... 30 mV PEAK TO PEAK TYPICAL
- RISE/FALL TIME: ..... 10 nS MAXIMUM, 5 nS TYPICAL  
(10% RF TO 90% RF)  
(90% RF TO 10% RF)
- DELAY ON/OFF: ..... 50 nS MAXIMUM, 40 nS TYPICAL  
(50% TTL TO 90% RF)  
(50% TTL TO 10% RF)
- POWER SUPPLY: ..... +5V @ 100 mA MAXIMUM  
..... -15V @ 100 mA MAXIMUM
- CONTROL: ..... TTL LOGIC "0"=ON "1"=OFF
- SIZE: ..... 1.00" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: ..... 1.5 OUNCE TYPICAL



**BLOCK DIAGRAM**



AT = WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE  
 M/N = MANUFACTURER PART NUMBER  
 O/N = OPTION NUMBER  
 S/N = SERIAL NUMBER  
 P/N = PART NUMBER

**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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN WSP & RRA		12/10/99	TITLE PRODUCT FEATURE SWN-2183-1AT OPTIONS HPR1W, 055, 6, LVT	
ISSUED			SIZE A FSCM NO. 60483 DWG NO. 100-4876-7	REV. -
SCALE N/S			SHEET 1 of 3	