

REVISIONS

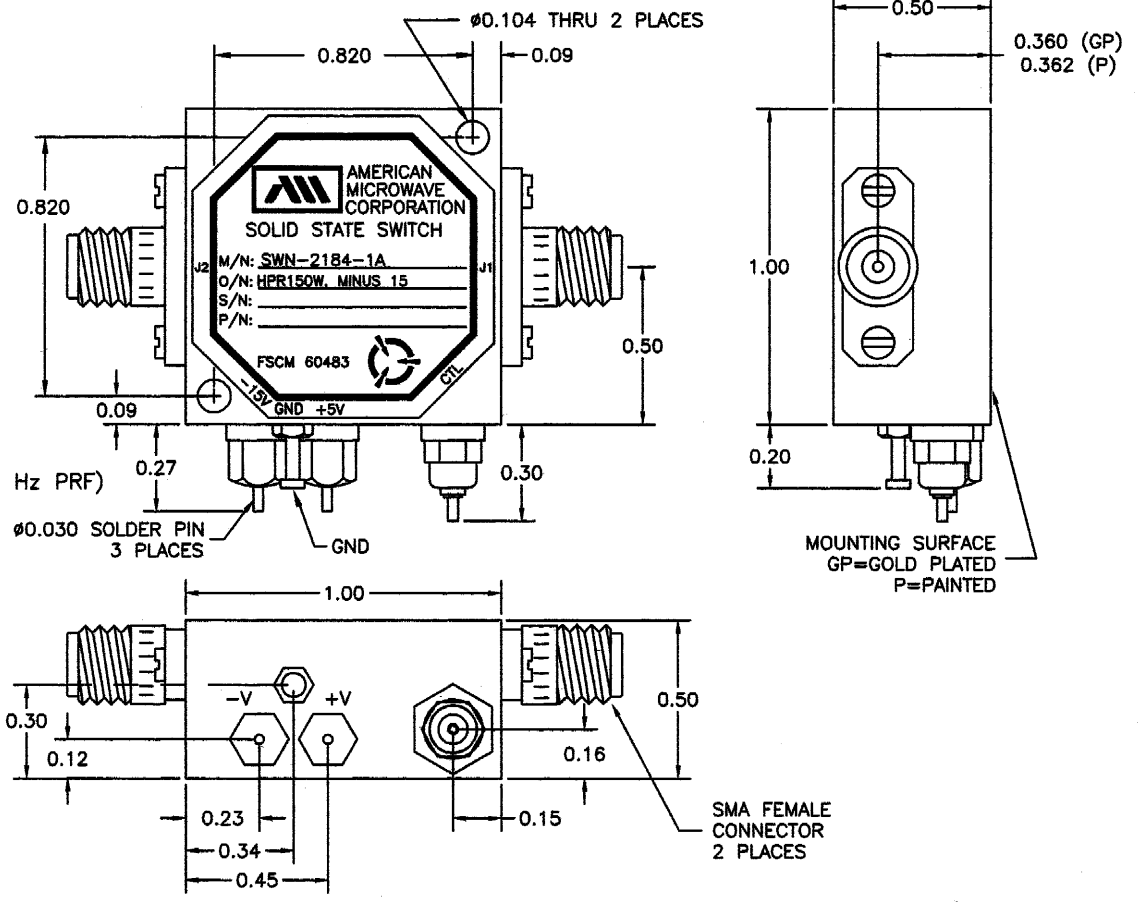
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE	11/19/99	

DESCRIPTION:

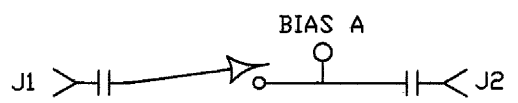
AMC MODEL SWN-2184-1A OPTIONS HPR150W, MINUS15V IS A HIGH POWER (2 WATTS AVERAGE, 150 WATTS PEAK, 20uSEC PULSE WIDTH) REFLECTIVE SINGLE POLE SINGLE THROW SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 3.0 GHz OPERATING FREQUENCY.

SPECIFICATIONS:

- FREQUENCY: 3 GHz
- INSERTION LOSS: 1.0 dB MAXIMUM 0.75 dB TYPICAL
- ISOLATION: 70 dB MINIMUM, 80 dB TYPICAL
- VSWR: IN/OUT: 2.0:1
- POWER: 2 WATTS AVERAGE (150 WATTS PEAK, 20 uS PULSE WIDTH, 600 Hz PRF)
- RISE/FALL TIME: 30 nS MAXIMUM, 20 nS TYPICAL (10% TO 90% RF) (90% TO 10% RF)
- POWER SUPPLY: +5V @ 150 mA MAXIMUM -15V @ 50 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		11/19/99	TITLE OUTLINE DRAWING SWN-2184-1A OPTIONS HPR150W, MINUS 15V	
CHECKED			SIZE A	REV. -
ISSUED			FSCM NO. 60483	DWG NO. 100-4876-5
			SCALE N/S	SHEET 1 of 3