

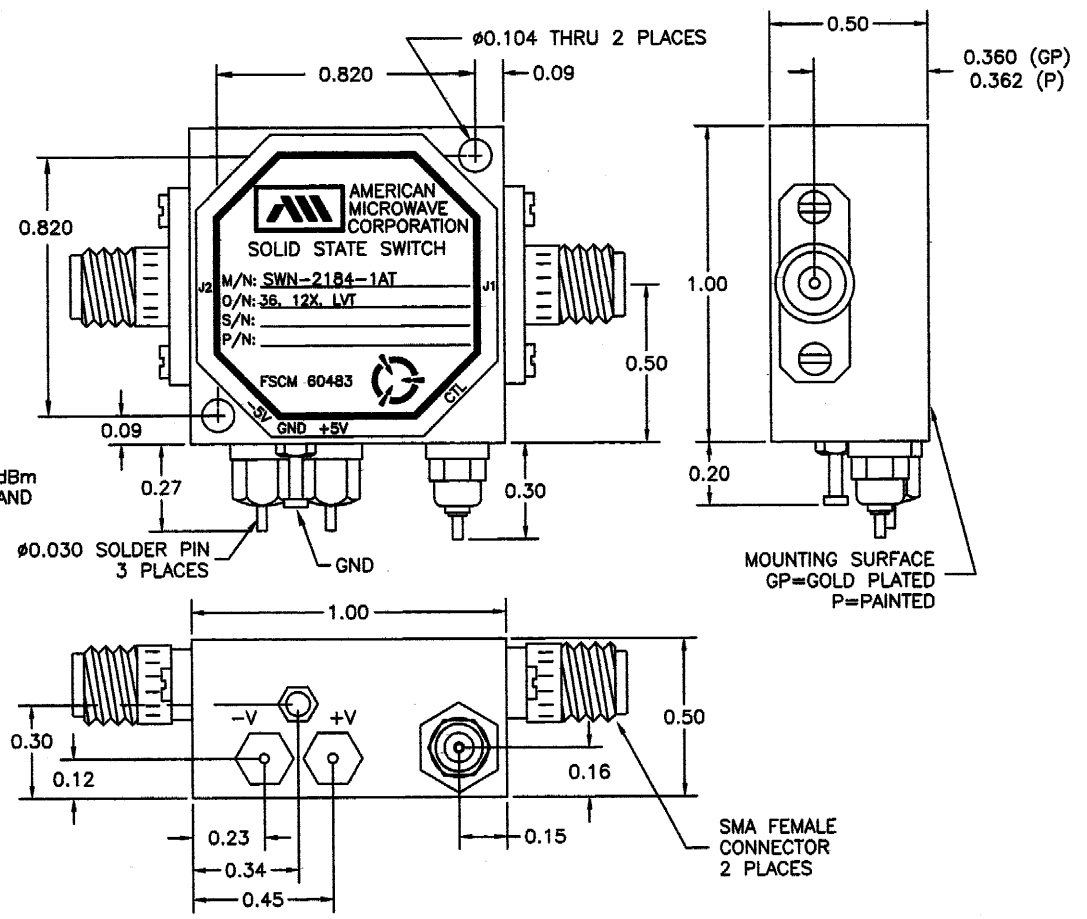
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE	8/20/99	

DESCRIPTION:

AMC MODEL SWN-2184-1AT OPTION 36, 12X, LVT IS A SINGLE POLE SINGLE THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW VIDEO TRANSIENTS AND LOW HARMONIC DISTORTION OVER 3.75 TO 6.0 GHz BANDWIDTH.

SPECIFICATIONS:

- FREQUENCY: 3.75 GHz TO 6.0 GHz
- INSERTION LOSS: 1.2 dB MAXIMUM
- ISOLATION (ANY PORT): -60 dB MINIMUM
- VSWR (ANY PORT, ANY STATE): 1.5:1
- SWITCHING SPEED: <30 ns (50% TTL TO 10%/90% RF)
- RISE/FALL TIME: <10 ns (10% TO 90% RF) (90% TO 10% RF)
- MAXIMUM TOGGLE RATE: >20 MHz (50% DC)
- RF CONNECTORS: SMA FEMALE
- DC POWER SUPPLY: +5V ±10% @ 100 mA MAXIMUM
-5V ±10% @ 100 mA MAXIMUM
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- CONTROL INTERFACE: DC SOLDER PINS
- HARMONIC DISTORTION: ≤ 70dB @ +10 dBm I/P
- FLATNESS ACROSS BAND: ±0.5dB (ON STATE)
- VIDEO LEAKAGE: 100 mV PEAK TO PEAK, 500 MHz BANDWIDTH (-60 dBm TO -65 dBm LEAKAGE POWER OR ENERGY IN THE BAND OF INTEREST)
- 1 dB COMPRESSION POINT: +20 dBm
- 2 TONE 3RD ORDER INTERCEPT POINT, POUT 0dBm: +35 dBm
- 2 TONE 2RD ORDER INTERCEPT POINT, POUT 0dBm: +55 dBm
- 0.1 dB PASS BAND: 3.75 GHz TO 6.0 GHz
- WEIGHT: 1.5 OUNCES TYPICAL
- SIZE: 1.00 (L) X 1.00 (W) X 0.50 (H)



NOTE:
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -10°C TO +55°C (OPERATING)
-40°C TO +71°C (STORAGE)
- HUMIDITY: 95% OVER TEMPERATURE
- 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

		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN <i>WSP</i>	8/20/99	OUTLINE DRAWING SWN-2184-1AT OPTION 36, 12X, LVT		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	60483	100-4876-3
		SCALE	N/S	SHEET 1 of 2
		REV.		