

DESCRIPTION:

AMC MODEL SWN-2184-1DR OPTION 101F IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 1 GHz TO 1.2 GHz OPERATION.

SPECIFICATIONS:

- FREQUENCY: 1 GHz TO 1.2 GHz
- INSERTION LOSS: REFLECTIVE: 2.5db
- ISOLATION: 1 GHz TO 1.2 GHz: 60db
- VSWR: ABSORPTIVE IN/OUT: 2.0:1
ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: RISE: 10ns TYPICAL, 15ns MAX.
FALL: 10ns TYPICAL, 15ns MAX.
DELAY ON: 75ns TYPICAL, 100ns MAX.
DELAY OFF: 75ns TYPICAL, 100ns MAX.
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5V @ 70 mA MAX.
-5V @ 50 mA MAX.(RELECTIVE)

OPTIONS:

- 101F OPTIMIZED FOR 1 GHz TO 1.2 GHz FREQUENCY RANGE

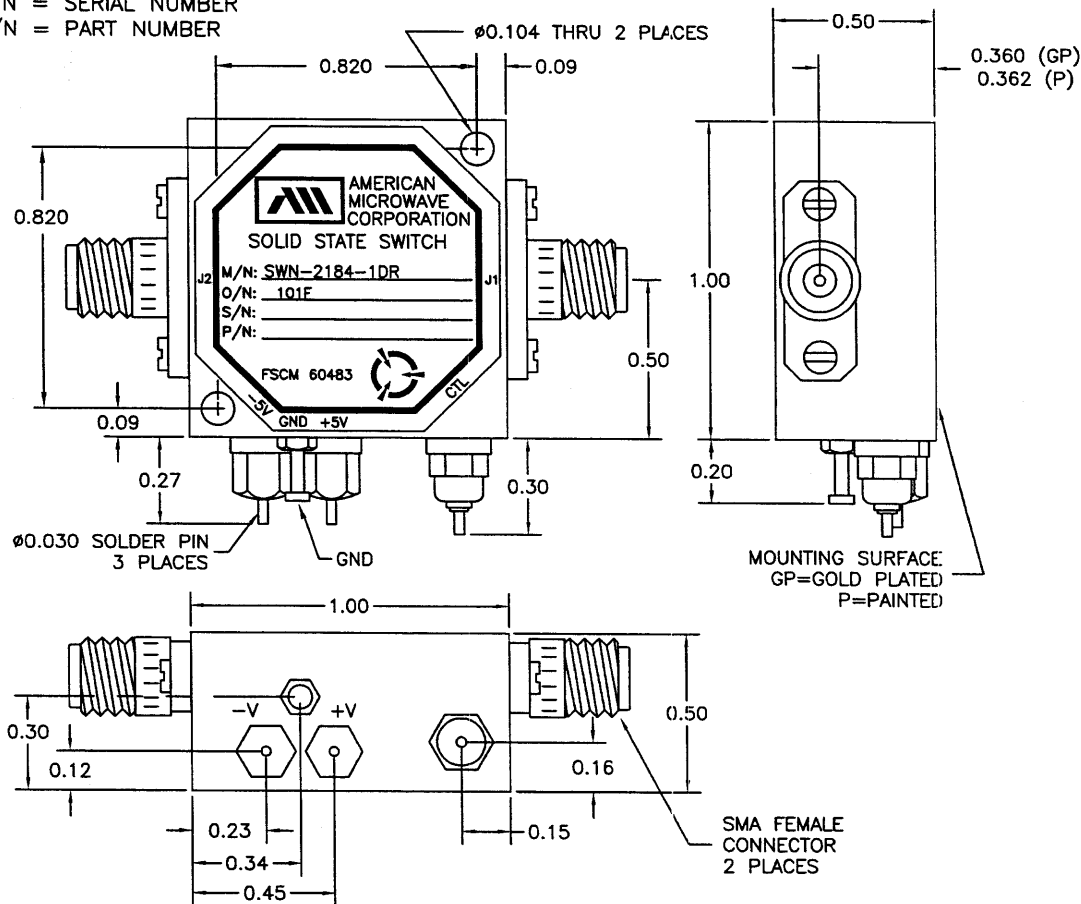
ENVIRONMENTAL RATINGS:

- 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

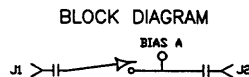
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

ZONE		REV.	DESCRIPTION	DATE	APPROVED
		-	ORIGINAL RELEASE JOB# 409231X	10/19/04	ESC

M/N = MANUFACTURER PART NUMBER
O/N = OPTION NUMBER
S/N = SERIAL NUMBER
P/N = PART NUMBER



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



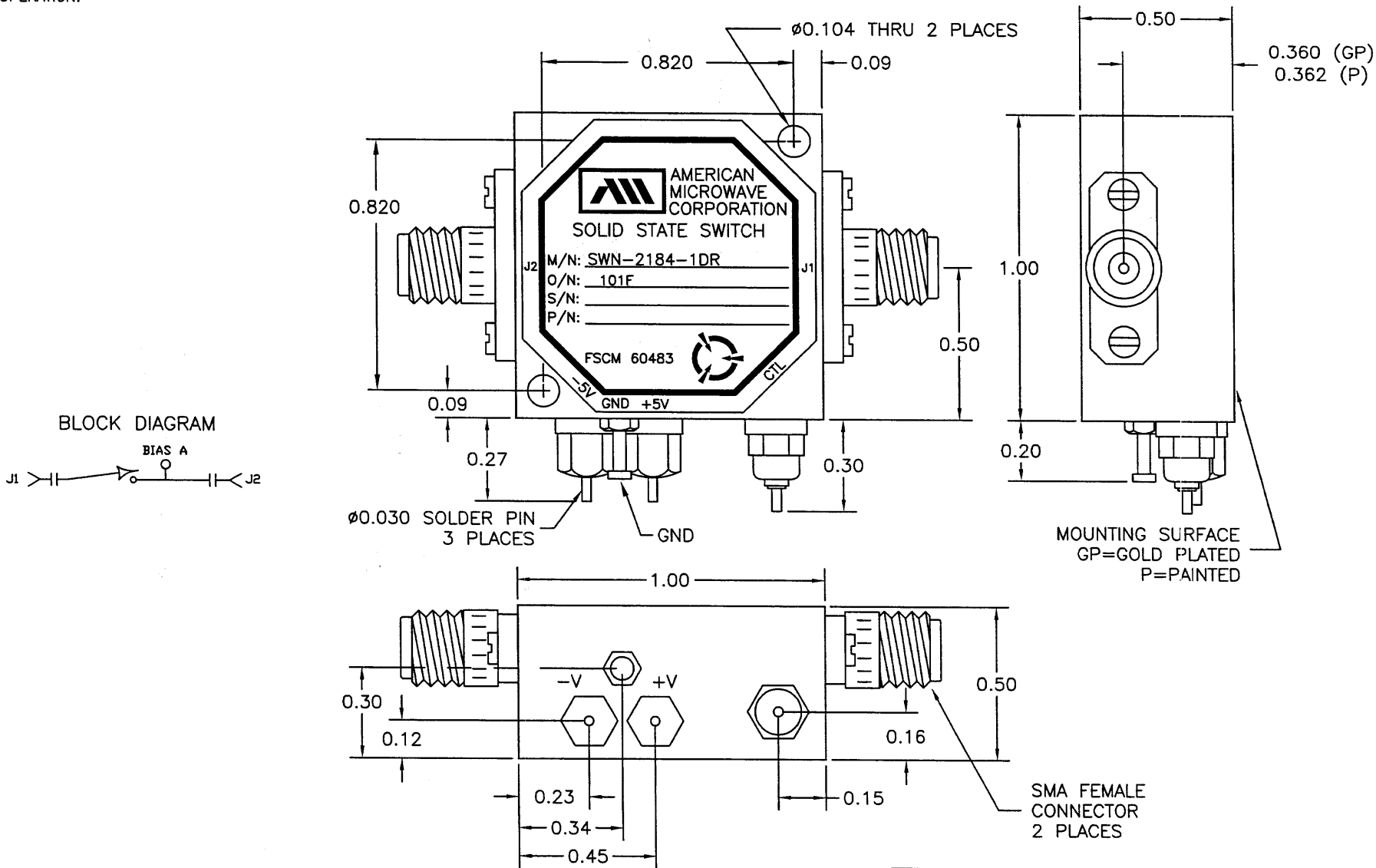
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN	ESC	10/19/04	TITLE PRODUCT FEATURE SWN-2184-1DR OPTION 101F		
CHECKED	PL	12/16/04	SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7174
			SCALE	N/S	SHEET 1 OF 3

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REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
	-	ORIGINAL RELEASE	JOB# 409231X	10/19/04



APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN	<i>EJC</i>	10/19/04	TITLE OUTLINE DRAWING SWN-2184-1DR OPTION 101F	
CHECKED	<i>PL</i>	12/16/04	SIZE	FSCM NO.
ISSUED			A	60483
			DWG NO.	100-7174
			SCALE	N/S
			SHEET	2 OF 3