

# DESCRIPTION

AMC MODEL SW-2000-2ATP IS A SINGLE POLE TWO THROW PIN DIODE SWITCH DESIGNED TO OPERATE OVER THE 0.01 GHz TO 2.0 GHz FREQUENCY RANGE.

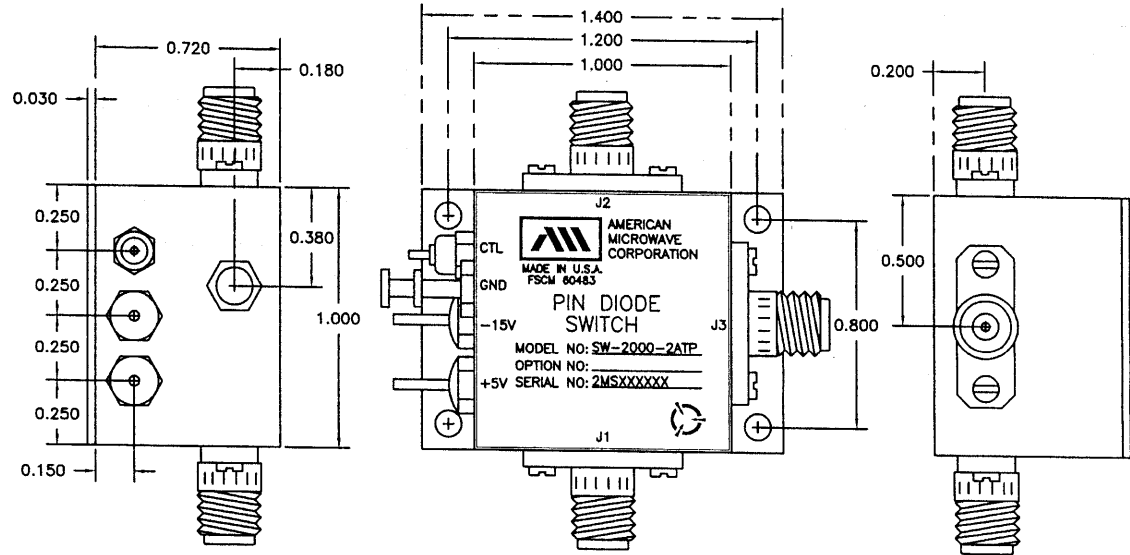
# SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.01 TO 2.0 GHz
- INSERTION LOSS: ..... 0.01 TO 0.5 GHz: 0.9 dB MAXIMUM  
0.5 TO 1.0 GHz: 1.1 dB MAXIMUM  
1.0 TO 2.0 GHz: 2.5 dB MAXIMUM
- ISOLATION: ..... 0.01 TO 0.5 GHz: 50 dB MINIMUM  
0.5 TO 1.0 GHz: 50 dB MINIMUM  
1.0 TO 2.0 GHz: 45 dB MINIMUM
- VSWR: ..... 0.01 TO 0.5 GHz: 1.38:1  
0.5 TO 1.0 GHz: 1.38:1  
1.0 TO 2.0 GHz: 2.1:1
- SWITCHING SPEED: ..... DELAY ON: 50 µSec MAXIMUM  
..... DELAY OFF: 50 µSec MAXIMUM
- CONTROL: ..... TTL LOGIC "0" = ON  
..... TTL LOGIC "1" = OFF
- POWER INPUT: ..... (CW) +20 dBm (NO DAMAGE)
- POWER SUPPLY: ..... +5V @ 125 mA MAXIMUM  
..... -15V @ 35 mA MAXIMUM

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



REVISIONS					
ZONE	REV.	DESCRIPTION	DATE	APPROVED	
-	-	ORIGINAL RELEASE	JOB# 401006	9/2/04	RA

# AMERICAN MICROWAVE CORPORATION

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE
DRAWN	RA	9/2/04	PRODUCT FEATURE SW-2000-2ATP 0.01 TO 2.0 GHz, SINGLE POLE TWO THROW PIN DIODE SWITCH
CHECKED	RA	9/2/04	
ISSUED			
SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-7112	-
SCALE N:S			SHEET 1 OF 3

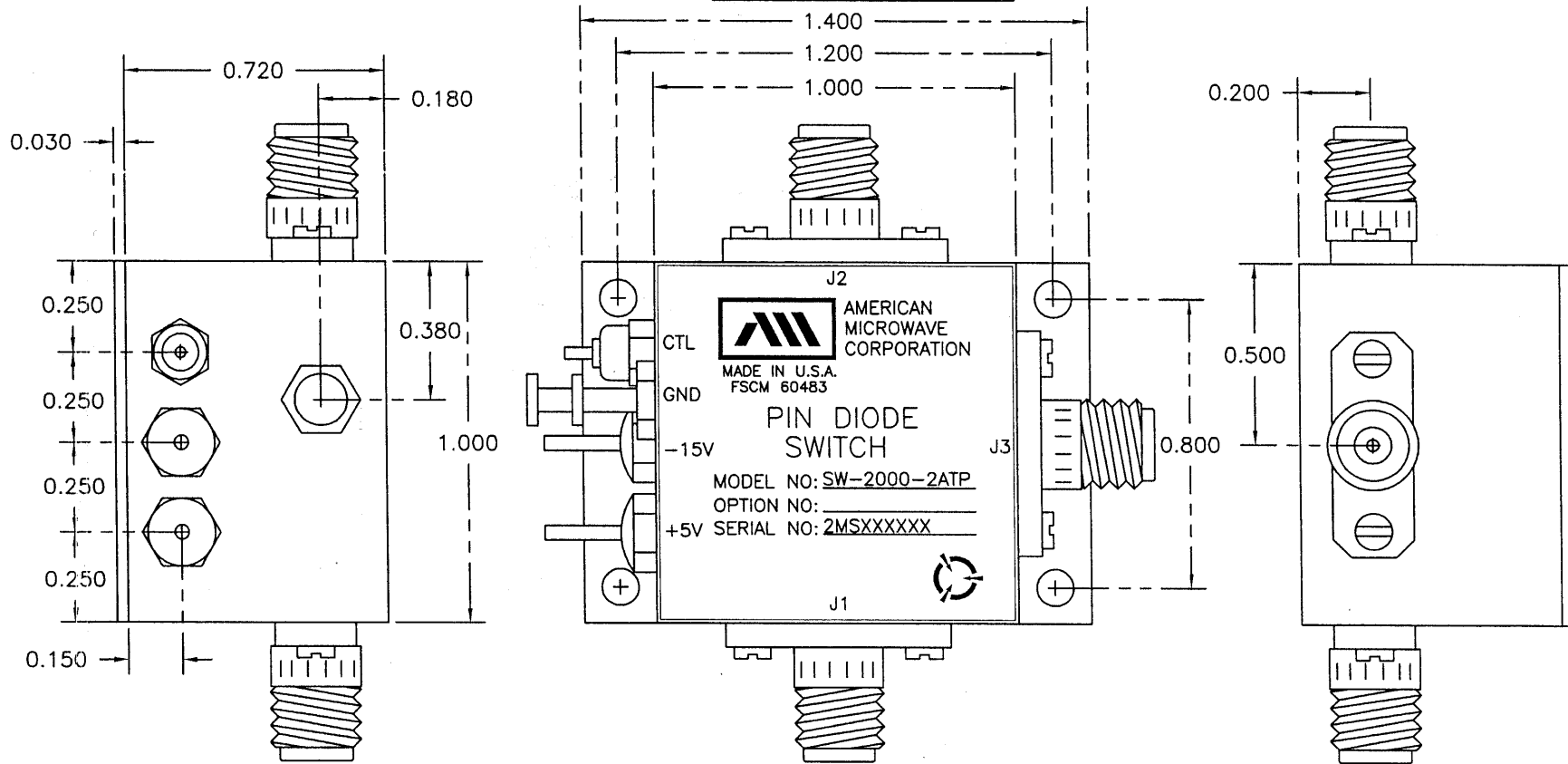
ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

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		-	ORIGINAL RELEASE JOB# 401006	9/2/04	RA

# MECHANICAL OUTLINE



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 TOLERANCES:  
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 X.XXX ±0.010

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 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>JDJ</i>		9/2/04	MECHANICAL OUTLINE SW-2000-2ATP			-
CHECKED <i>RA</i>		9/2/04	0.01 TO 2.0 GHz, SINGLE POLE TWO THROW PIN DIODE SWITCH			-
ISSUED			SIZE	FSCM NO.	DWG NO.	
			A	60483	100-7112	
SCALE N:S			SHEET		2 OF 3	