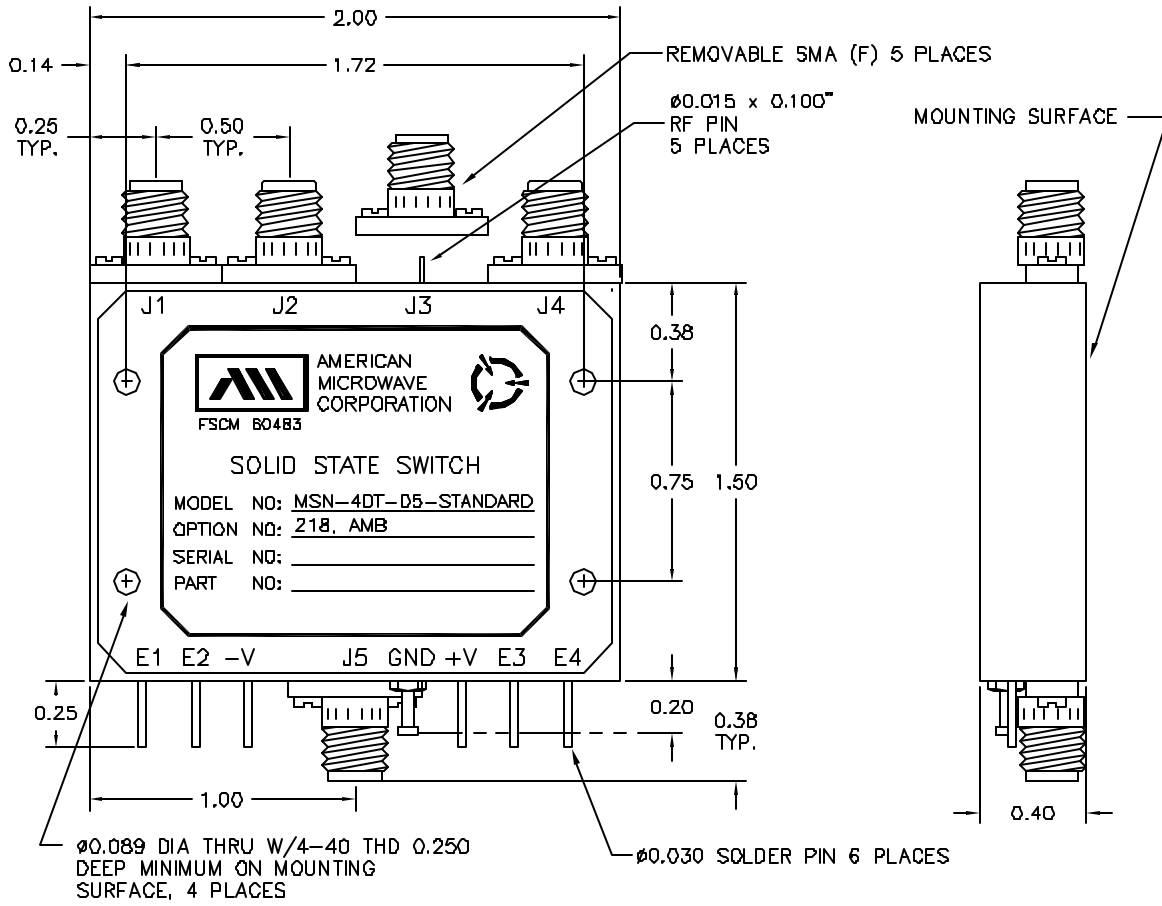


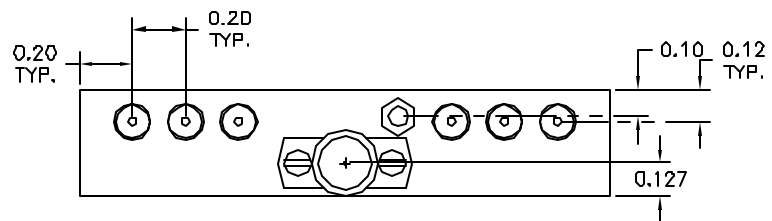
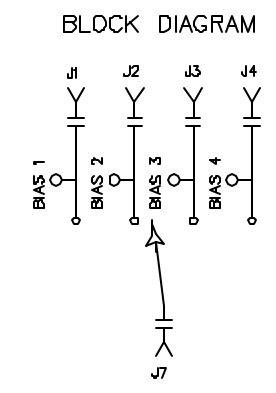
DESCRIPTION

AMC MODEL MSN-4DT-05-STANDARD OPTION: 218, AMB IS AN ABSORPTIVE/NON-REFLECTIVE SINGLE POLE FOUR THROW SWITCH DESIGNED TO OPERATE OVER THE FULL 2 TO 18 GHz FREQUENCY RANGE AND HAS BEEN OPTIMIZED FOR AMPLITUDE BALANCE BETWEEN PORTS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-		ORIGINAL RELEASE JOB# 409230X	12/8/04	



MECHANICAL OUTLINE



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

AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
FREDERICK, MARYLAND 21704 USA
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E-MAIL: sales@americanmicrowavecorp.com
ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	<i>[Signature]</i>	12/8/04	MECHANICAL OUTLINE MSN-4DT-05-STANDARD OPTION: 218, AMB		
CHECKED			2 - 18 GHz, SINGLE POLE FOUR THROW SWITCH	SIZE	REV.
ISSUED			A	FSCM NO. 60483	DWG NO. 100-7215
			SCALE N:S	SHEET 2 OF 3	

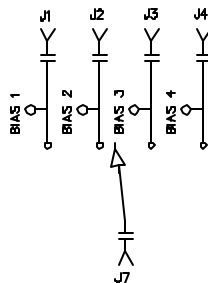
DESCRIPTION

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SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 18 GHz
- INSERTION LOSS: 3.75 dB MAXIMUM
- ISOLATION: 70 dB MINIMUM
- VSWR: 2.0:1
- RISE TIME: 10 nSec TYPICAL, 15 nSec MAXIMUM
- FALL TIME: 10 nSec TYPICAL, 15 nSec MAXIMUM
- DELAY ON: 75 nSec TYPICAL, 100 nSec MAXIMUM
- DELAY OFF: 75 nSec TYPICAL, 100 nSec MAXIMUM
- POWER INPUT: (CW)+20 dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 μ Sec
- CONTROL: TTL LOGIC "0" = ON
TTL LOGIC "1" = OFF
- POWER SUPPLY: +5V @ 200 mA MAXIMUM
-5V @ 100 mA MAXIMUM
- CONNECTORS:
RF: SMA FEMALE
CONTROL: SOLDER PIN
- SIZE: 2.00" (L) x 1.50" (W) x 0.40" (H)

BLOCK DIAGRAM

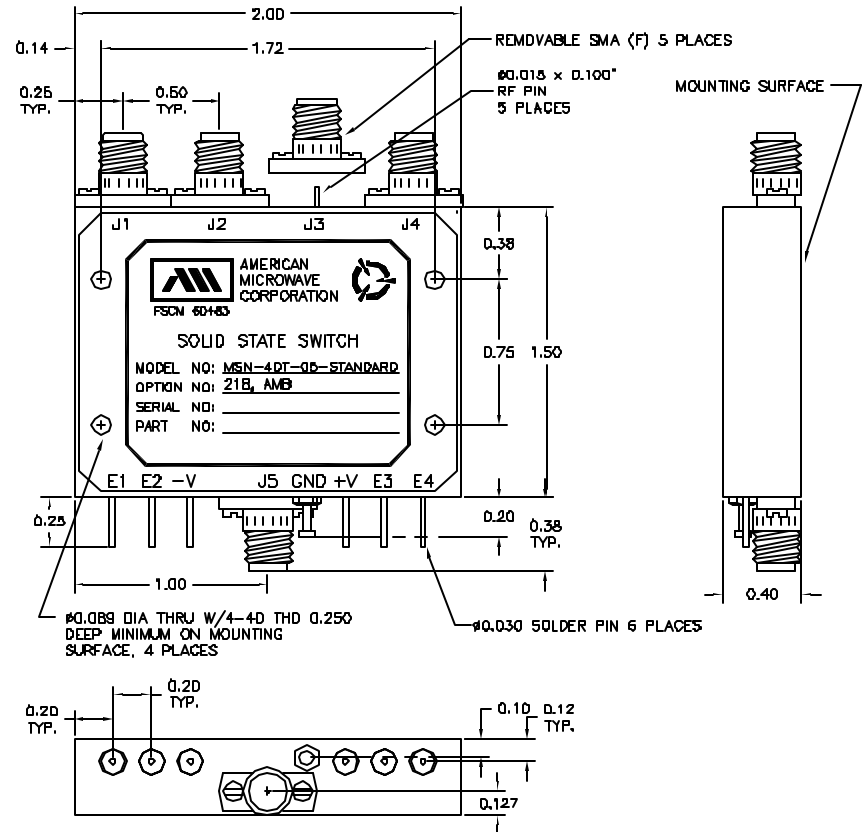


ENVIRONMENTAL RATINGS

- **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# 409230X	12/9/04	



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X.XXX ±0.010

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APPROVALS		DATE	TITLE			REV.
DRAWN <i>JDF</i>		12/9/04	PRODUCT FEATURE MSN-4DT-05-STANDARD OPTION: 218, AMB			-
CHECKED			SIZE	FSCM NO.	DWG NO.	
ISSUED			A	60483	100-7215	
SCALE N:S			SHEET 1 OF 3			