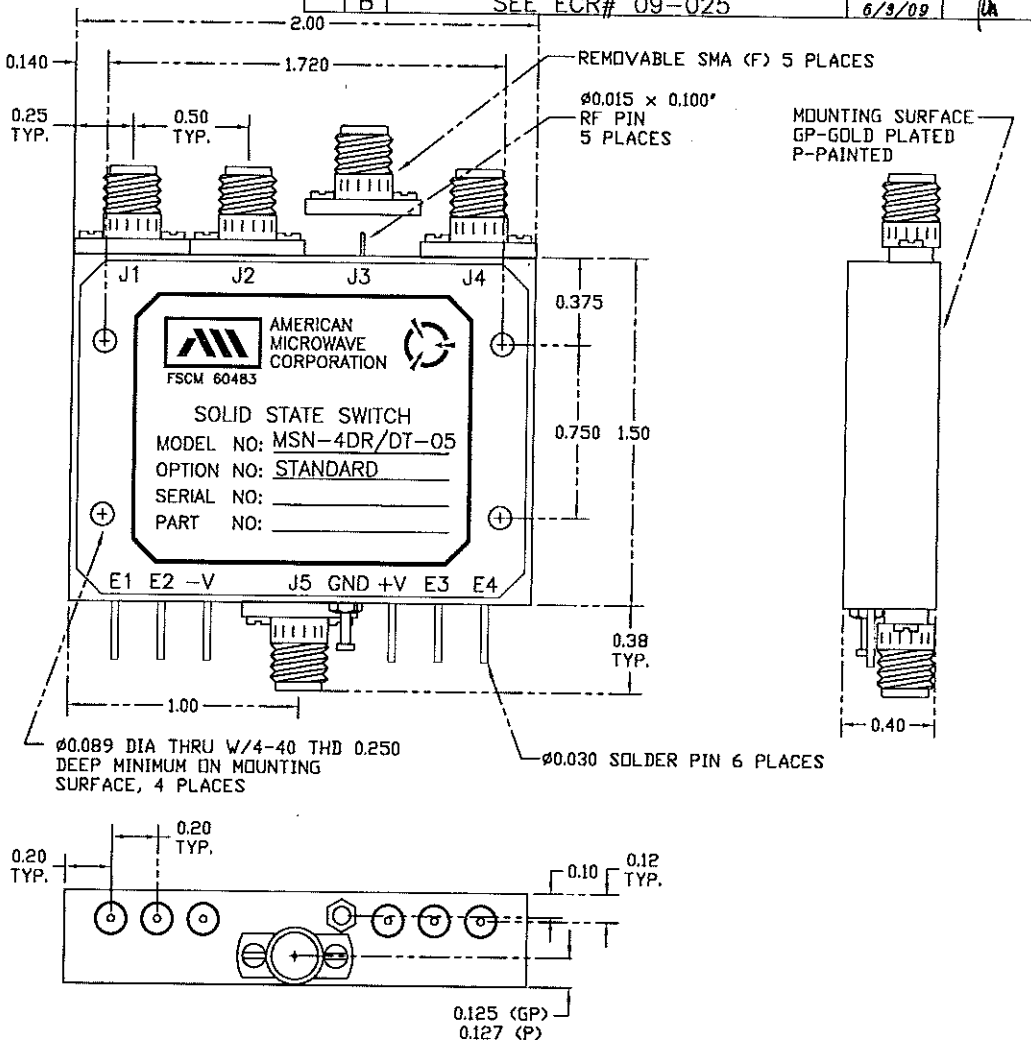
SPECIFICATIONS:

- FREQUENCY: ..... 0.5 GHz TO 18 GHz
- INSERTION LOSS: ..... REFLECTIVE: 3.0db
  ABSORPTIVE: 3.75db
- ISOLATION: ..... 0.5 GHz TO 18 GHz: 60db
- VSWR: ..... REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: ..... RISE: 15ns MAX.
  FALL: 15ns MAX.
  DELAY ON: 100ns MAX.
  DELAY OFF: 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 @ 200 mA MAX.
  −5V @ 75mA MAX.(RELECTIVE)
  100mA MAX.(ABSORPTIVE/NON−REFLECTIVE)

OPTIONS:

DEC−MP	2 BIT DECODER WITH MULTIPIN
DEC−SP	2 BIT DECODER WITH SOLDER PIN
MP−IND	INDEPENDENT CONTROL WITH MULTIPIN
B01	−12V POWER SUPPLIES
B02	−15V POWER SUPPLIES
B03	REVERSE LOGIC "1"=ON "0"=OFF
B04	DRIVERLESS, CURRENT CONTROLLED
B05	HIGH SPEED, TURNON/TURNOFF 20 nsec MAXIMUM WHEN APPLICABLE OR OPTION HS
B06	HIGH POWER − SPECIFY CW POWER, PEAK POWER, PULSE WIDTH, DUTY CYCLE, RF FREQUENCY AND BANDWIDTH
B08	LOW VIDEO TRANSIENTS − SPECIFY VIDEO BANDWIDTH
B10	HIGHER ISOLATION VERSION (SPECIFY)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	8/5/97	
	B	SEE ECR# 09−025	6/9/09	



NOTE:

DR=WITH DRIVER, REFLECTIVE

DT=WITH DRIVER, NON−REFLECTIVE/ABSORPTIVE

ENVIRONMENTAL RATINGS:

- TEMPERATURE: ..... −40°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

* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

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

PART NO.		
APPROVALS	DATE	
DRAWN WSP	8/5/97	
CHECKED	6/10/09	
ISSUED		

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE: OUTLINE DRAWING
MSN−4DR/DT−05−STANDARD
REFLECTIVE OR NON−REFLECTIVE/ABSORPTIVE
SOLID STATE SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100−4007−1	B

SCALE | SHEET 1 of 1