

## DESCRIPTION

AMC MODEL MSN-8DR-05-STANDARD OPTION 2M372M39, HPR10W IS A REFLECTIVE SP8T PIN DIODE SWITCH DESIGNED TO MEET THE 2,380 TO 2,390 MHz FREQUENCY RANGE WITH A 10 WATT POWER HANDLING.

## SPECIFICATIONS

- FREQUENCY RANGE: . . . . . 2,370 MHz TO 2,390 MHz
- INSERTION LOSS: . . . . . <2.5 dB
- ISOLATION: . . . . . >60 dB MINIMUM
- VSWR: . . . . . 1.3:1 MAXIMUM
- MAXIMUM INPUT POWER: . . . . . 40 dBm \*AVAILABLE AVERAGE POWER OF CONTINUOUS COMPLEX SIGNAL (PN SEQUENCE) WITHOUT NONLINEAR DISTORTION
- PEAK POWER: . . . . . 46 dBm
- P1dB OUTPUT: . . . . . >46 dBm (WHEN CONSIDERING 6dB BACK-OFF)
- SWITCHING TIME: . . . . . <2 uSEC (UNDER HALF TIME OF 511 PN CODE LENGTH)
- MULTI PORT: . . . . . 8 PORT
- POWER CONSUMPTION: . . . . . +5V(500 mA) & -27V(<10 mA)
- CONTROL: . . . . . TTL (HIGH: I/L, LOW: ISOLATION)
- ADDITIONAL FUNCTION: . . . . . WITH ALL PORT OFF FUNCTION IF NECESSARY
- INTERFACE
  - RF: . . . . . SMA FEMALE
  - POWER & CONTROL: . . . . . MOLEX 48153
- SIZE: . . . . . 140 X 70 X 21 (W X H X D)
- WEIGHT: . . . . . 1.5 OUNCE TYPICAL

## OPTIONS:

- 2M372M39: . . . . . OPTIMIZED FOR 2,370 TO 2,390 MHz FREQUENCY RANGE
- HPR10W: . . . . . 10 WATTS POWER HANDLING

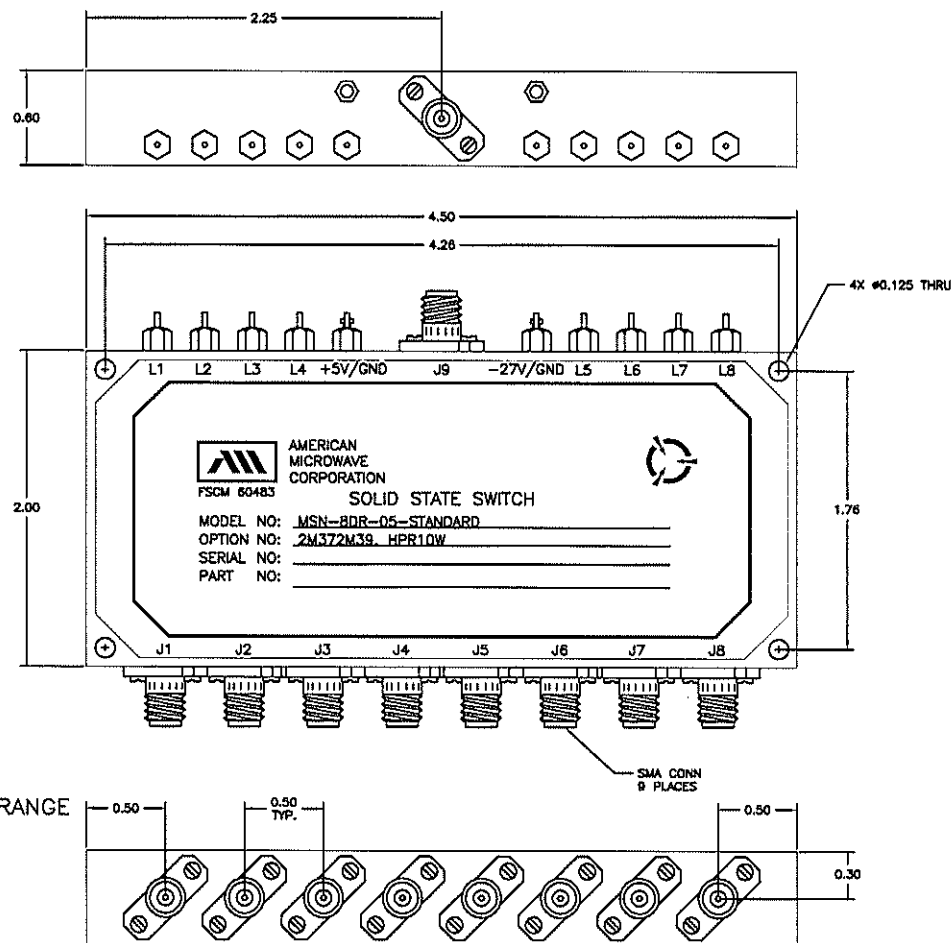
## ENVIRONMENTAL RATINGS:

- TEMPERATURE: . . . . . -20°C TO +60°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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	SEE ECR 07-066	05/03/07	



## AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: 301-662-4700 FAX: 301-662-4938  
WEBSITE: [www.americamicrowavecorp.com](http://www.americamicrowavecorp.com)  
E-MAIL: [sales@americamicrowavecorp.com](mailto:sales@americamicrowavecorp.com)  
ISO 9001:2000 CERTIFIED



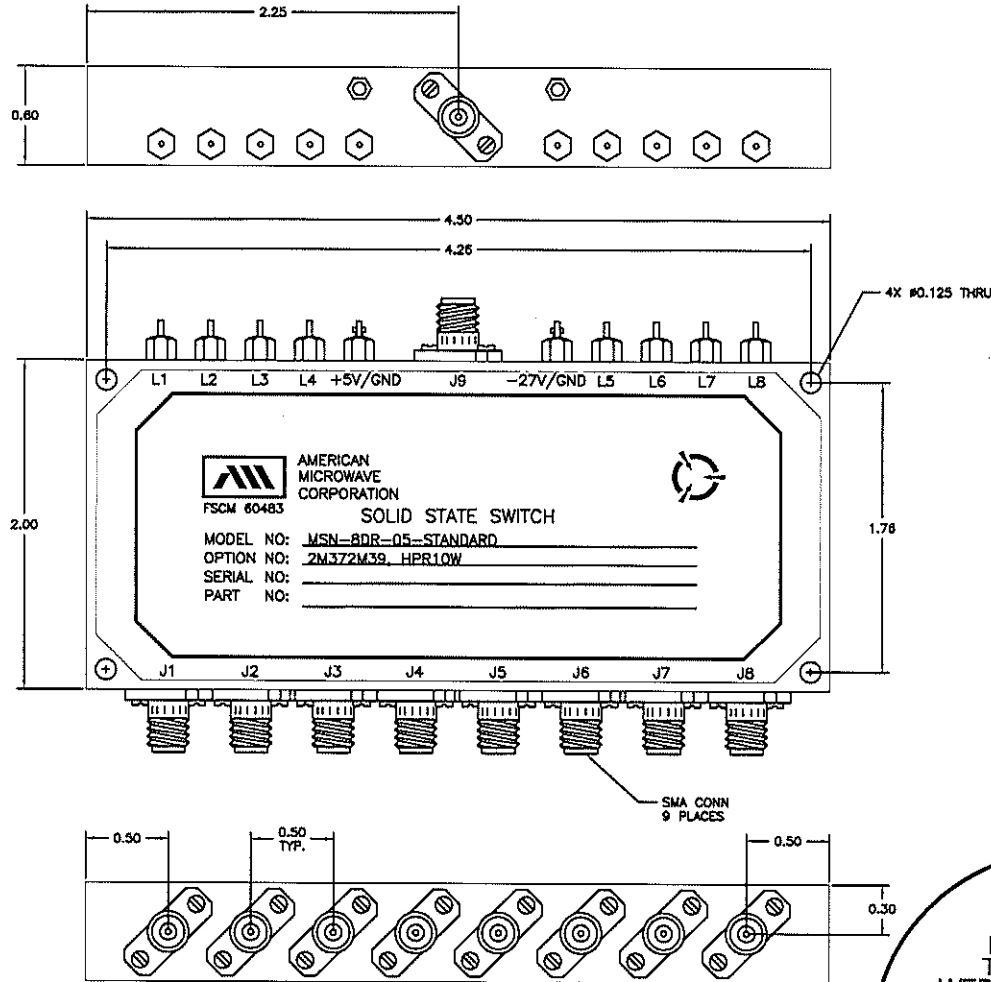
APPROVALS		DATE	TITLE			
DRAWN <i>WJCS</i>		05/03/07	PRODUCT FEATURE MSN-8DR-05-STANDARD			
CHECKED <i>WJCS</i>		05/03/07	OPTIONS: 2M372M39, HPR10W SP8T PIN DIODE SWITCH			
ISSUED <i>YJR</i>		5/31/07	SIZE	FSCM NO.	DWG NO.	REV.
			A	60483	100-M003-000	-
			SCALE N:S			SHEET 1 OF 2

**DESCRIPTION**

AMC MODEL MSN-8DR-05-STANDARD OPTION 2M372M39, HPR10W IS A REFLECTIVE SP8T PIN DIODE SWITCH DESIGNED TO MEET THE 2,380 TO 2,390 MHz FREQUENCY RANGE WITH A 10 WATT POWER HANDLING.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	SEE ECR 07-066	05/03/07	

**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  
 TEL: 301-662-4700 FAX: 301-662-4938  
 WEBSITE: [www.americanmicrowavecorp.com](http://www.americanmicrowavecorp.com)  
 E-MAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com)  
 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>W369</i>		05/09/07	MECHANICAL OUTLINE MSN-8DR-05-STANDARD OPTIONS: 2M372M39, HPR10W SP8T PIN DIODE SWITCH			
CHECKED <i>RLK</i>	5/3/07	SIZE A	FSCM NO. 60483	DWG NO. 100-M003-000	REV. -	
ISSUED <i>YJR</i>	5/3/07	SCALE N:S	SHEET 2 OF 2			