

**SPECIFICATIONS:**

- FREQUENCY: ..... 0.5 GHz TO 18 GHz
- INSERTION LOSS: ..... REFLECTIVE: 4.0db  
ABSORPTIVE: 4.5db
- 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 @ 400 mA MAX.  
-5V @ 75mA MAX.(REFLECTIVE)  
100mA MAX.(ABSORPTIVE/NON-REFLECTIVE)

**OPTIONS:**

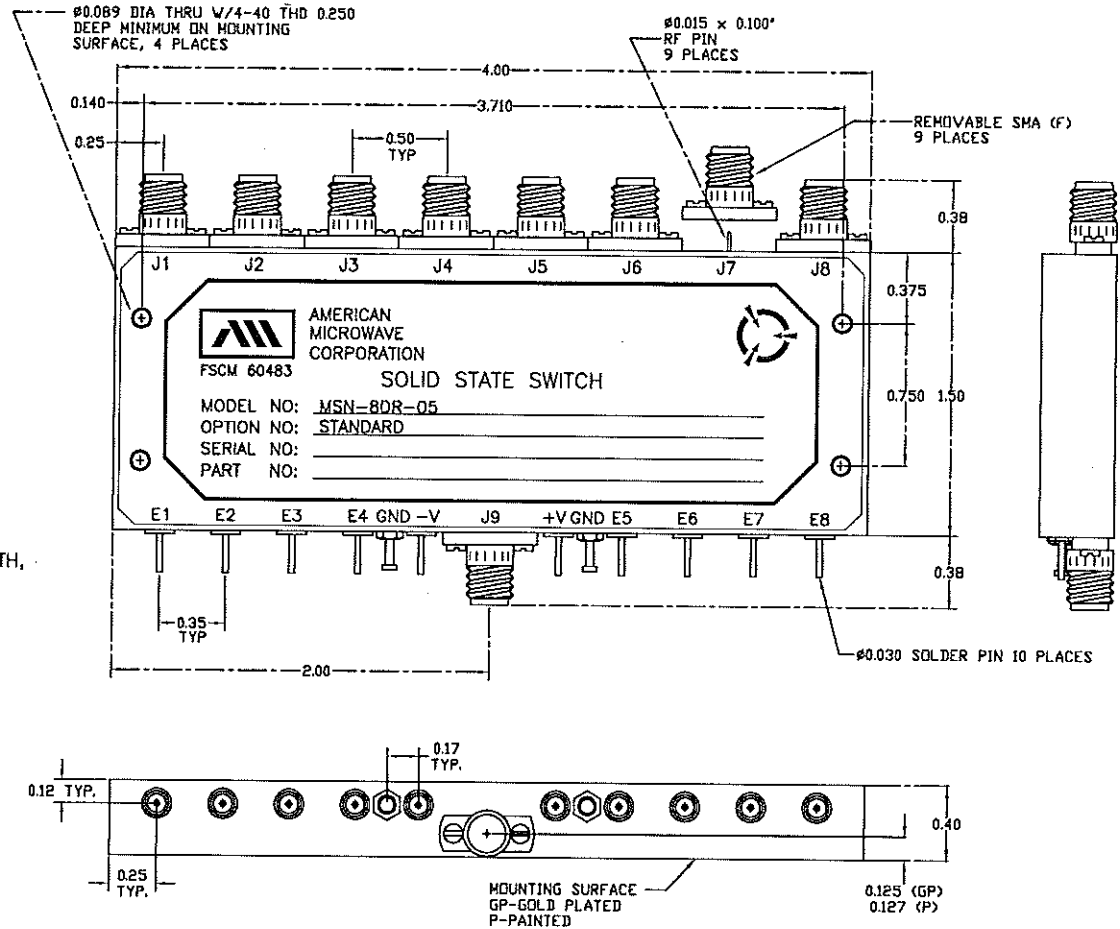
- DEC-MP: ..... 3 BIT DECODER WITH MULTIPIN
- DEC-SP: ..... 3 BIT DECODER WITH SOLDER PIN
- MP-IND: ..... INDEPENDENT CONTROL WITH MULTIPIN
- B01: ..... -12V POWER SUPPLIES
- B02: ..... -15V POWER SUPPLIES
- B03: ..... REVERSE LOGIC "1"=ON "0"=OFF
- B04: ..... DRIVERLESS, CURRENT CONTROLLED
- B05: ..... HIGH SPEED, TURNON/TURNOFF 25 nsec MAXIMUM WHEN APPLICABLE
- 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)

**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.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	9/19/97	
	B	SEE ECR# 09-025	6/9/09	



**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

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS		TITLE		
DATE		OUTLINE DRAWING		
DRAWN <i>R.R.A. &amp; W.S.P.</i>		MSN-8DR/DT-05-STANDARD		
CHECKED <i>Dr</i>		REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH		
ISSUED		REV.		
DATE 9/19/97		A 60483 100-3938-1 B		
DATE 6/10/09		SCALE N/S SHEET 1 of 1		