

**DESCRIPTION**

AMC MODEL MSR-8DR/DT-04-STANDARD IS A SINGLE POLE EIGHT THROW, REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH LOW LOSS, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR BROAD BAND OPERATIONS.

**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.(RELECTIVE)  
..... 100mA MAX.(ABSORPTIVE/NON-REFLECTIVE)
- SIZE ..... Ø1.500 CIRCLE POINT TO POINT X 0.400 (H)

**OPTIONS:**

- DEC-SP ..... 3 BIT DECODER WITH SOLDER PIN
- 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)

**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

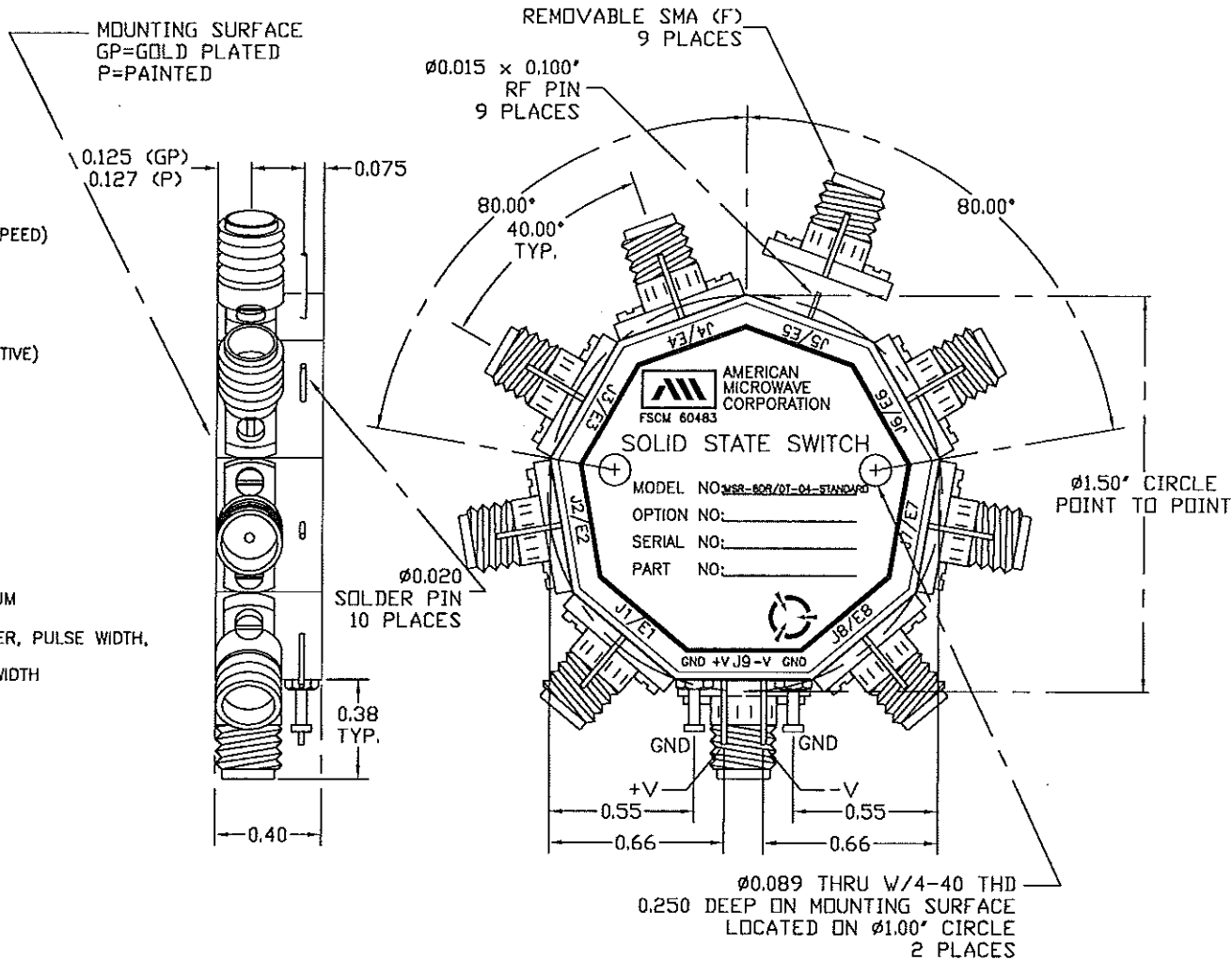
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:

X.XX ±0.020  
X.XXX ±0.010

\* 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
-	-	ORIGINAL RELEASE	8/28/99	
B		SEE ECR# 09-025	6/3/09	AK



NOTE:  
DR=WITH DRIVER, REFLECTIVE  
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
WSP, RRd	8/28/99	OUTLINE DRAWING MSR-8DR/DT-04-STANDARD REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH	
CHECKED	AK	SIZE	REV.
	6/10/09	A	B
ISSUED		FSCM NO.	DWG NO.
		60483	100-4191-1
		SCALE	SHEET
		N/S	1 of 2