

## DESCRIPTION

AMC MODEL MSR-8DR-07-STANDARD OPTION: 218, B02MINUS15V, HPR23DBM IS A REFLECTIVE SINGLE POLE EIGHT THROW SWITCH DESIGNED TO OPERATE OVER THE FULL 2 TO 18 GHz FREQUENCY RANGE.

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 2 TO 18 GHz
- INSERTION LOSS: ..... 4.0 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 uSec
- CONTROL: ..... TTL LOGIC "0" = ON  
TTL LOGIC "1" = OFF
- POWER SUPPLY: ..... +5V @ 400 mA MAXIMUM  
-15V @ 100 mA MAXIMUM
- CONNECTORS:  
RF: ..... SMA FEMALE  
CONTROL: ..... SOLDER PIN

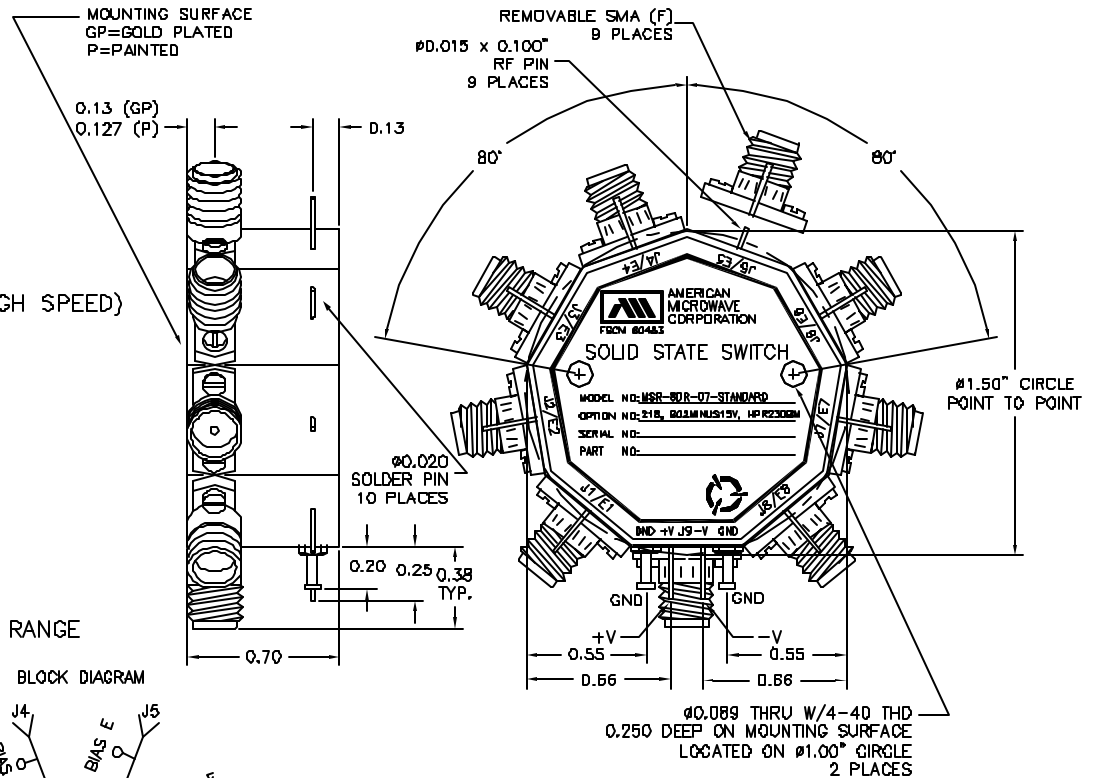
## OPTIONS:

- 218: ..... OPTIMIZED FOR 2 TO 18 GHz FREQUENCY RANGE
- B02MINUS15V: ..... -15 VOLT POWER SUPPLY
- HPR23DBM: ..... 23 dBm INPUT POWER

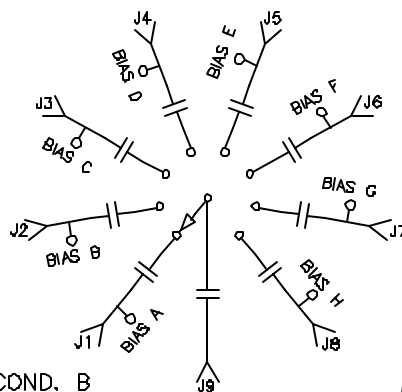
## ENVIRONMENTAL RATINGS:

- 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



BLOCK DIAGRAM



ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
XXX ±0.020  
XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-		ORIGINAL RELEASE JOB# 504127N	6/10/05	

## AMERICAN MICROWAVE CORPORATION

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ISO 9001:2000 CERTIFIED

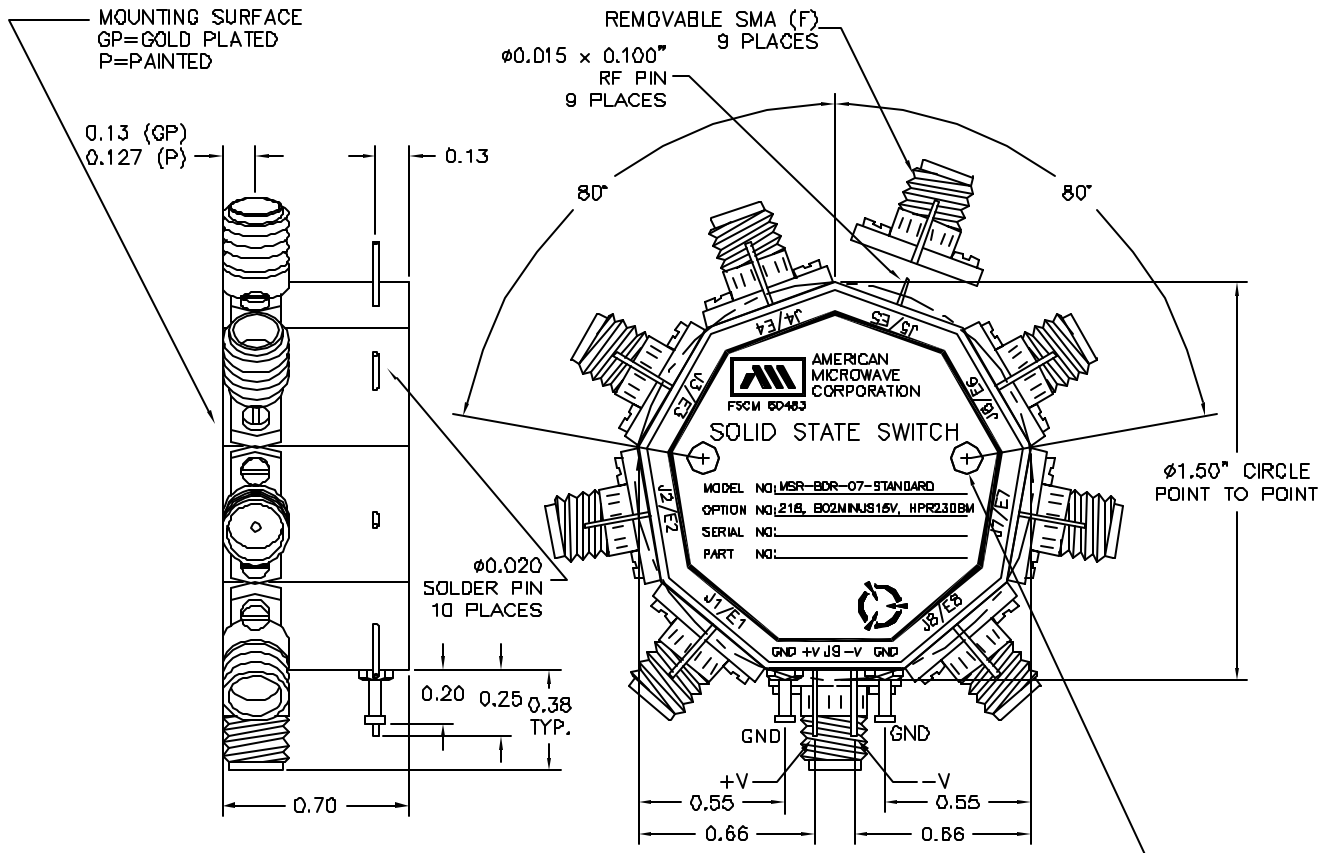


APPROVALS		DATE	TITLE		REV.
DRAWN	<i>FDF</i>	6/10/05	PRODUCT FEATURE MSR-8DR-07-STANDARD OPTION: 218, B02MINUS15V, HPR23DBM 2-18 GHz, SINGLE POLE EIGHT THROW SWITCH		-
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7457
SCALE N:S			SHEET 1 OF 3		

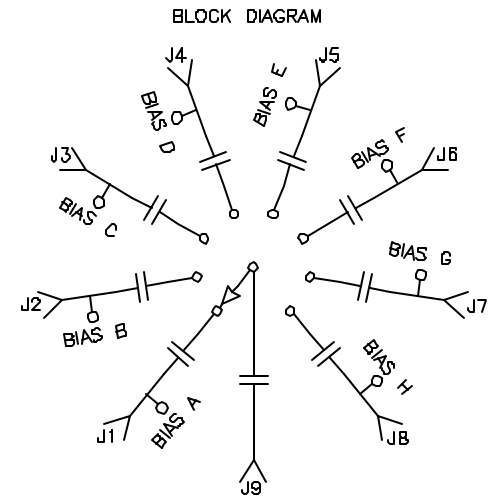
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-		ORIGINAL RELEASE JOB# 504127N	6/10/06	



# MECHANICAL OUTLINE



$\phi 0.089$  THRU W/4-40 THD  
 0.250 DEEP ON MOUNTING SURFACE  
 LOCATED ON  $\phi 1.00"$  CIRCLE  
 2 PLACES

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ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 X.XX  $\pm 0.020$   
 X.XXX  $\pm 0.010$

APPROVALS		DATE	TITLE		
DRAWN	<i>FDS</i>	6/10/06	MECHANICAL OUTLINE MSR-8DR-07-STANDARD OPTION: 218, B02MINUS15V, HPR23DBM 2-18 GHz, SINGLE POLE EIGHT THROW SWITCH		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7457
			SCALE	N:S	SHEET 2 OF 3