

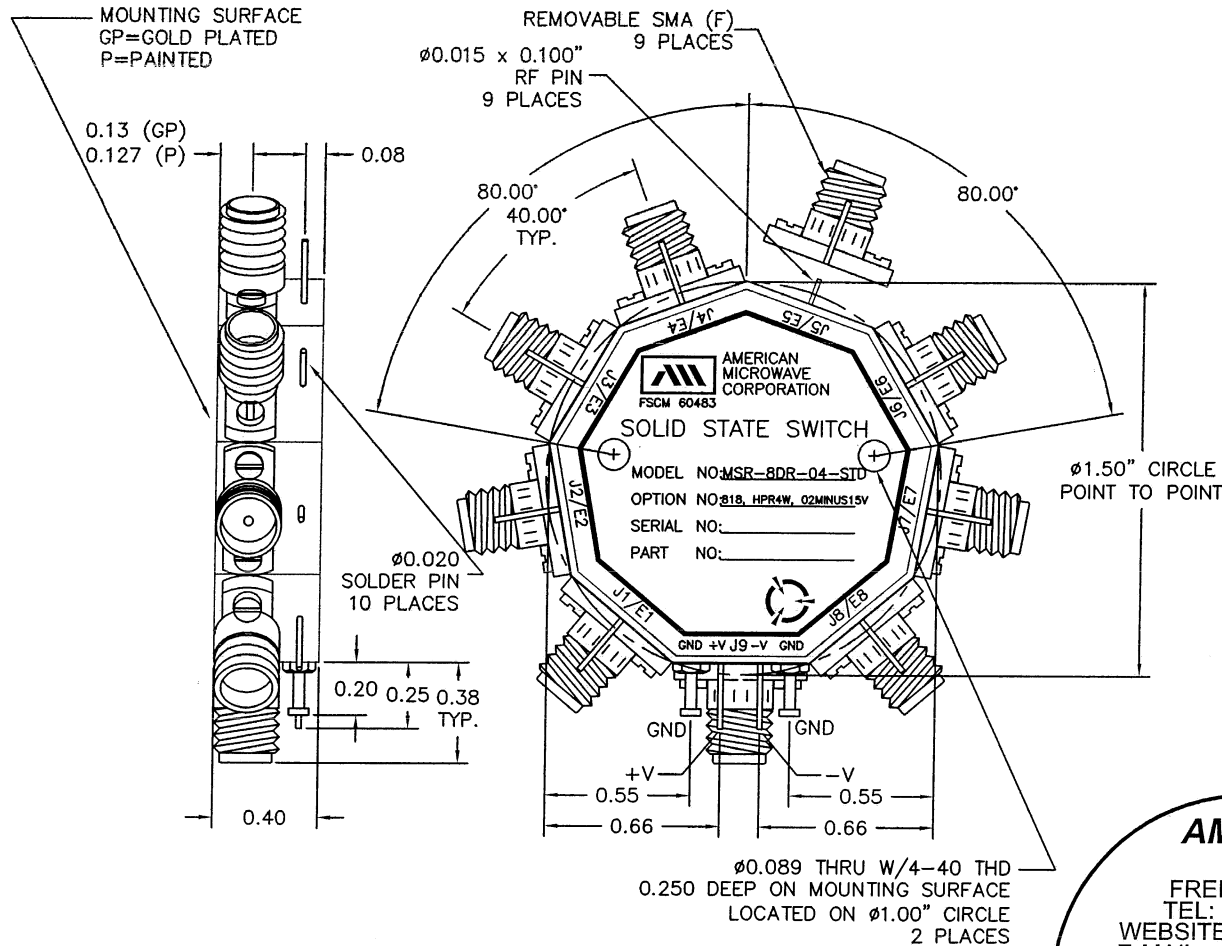
DESCRIPTION

AMC MODEL MSR-8DR-04-STANDARD OPTION: 818, HPR4W, 02MINUS15V IS A REFLECTIVE SINGLE POLE EIGHT THROW SWITCH DESIGNED TO OPERATE OVER THE 8 TO 18 GHz FREQUENCY RANGE WITH LOW INSERTION LOSS, HIGH ISOLATION, AND HIGH INPUT POWER.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 504118E	6/17/05	

MECHANICAL OUTLINE

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



AMERICAN MICROWAVE CORPORATION

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 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JRM</i>		6/17/05	MECHANICAL OUTLINE MSR-8DR-04-STANDARD OPTION: 818, HPR4W, 02MINUS15V 8 - 18 GHz SP8T PIN DIODE SWITCH			
CHECKED <i>LC</i>		6/21/05	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	60483	100-7460	-
			SCALE N:S			SHEET 2 OF 3

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SPECIFICATIONS

- FREQUENCY RANGE: 8 TO 18 GHz
- INSERTION LOSS: 4.0 dB MAXIMUM
- ISOLATION: 50 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: 4 WATTS CW MAX
- SURVIVAL POWER: 10 WATTS PEAK 1 uSec
- CONTROL: TTL LOGIC "0" = ON
TTL LOGIC "1" = OFF
- POWER SUPPLY: +5V @ 450 mA MAXIMUM
-15V @ 150 mA MAXIMUM
- CONNECTORS:
RF: SMA FEMALE
CONTROL: SOLDER PIN

OPTIONS:

- 818: FREQUENCY RANGE 8 TO 18 GHz
- HPR4W: HIGH INPUT POWER OF 4 WATTS
- 02MINUS15V: -15 VDC NEGATIVE POWER SUPPLY

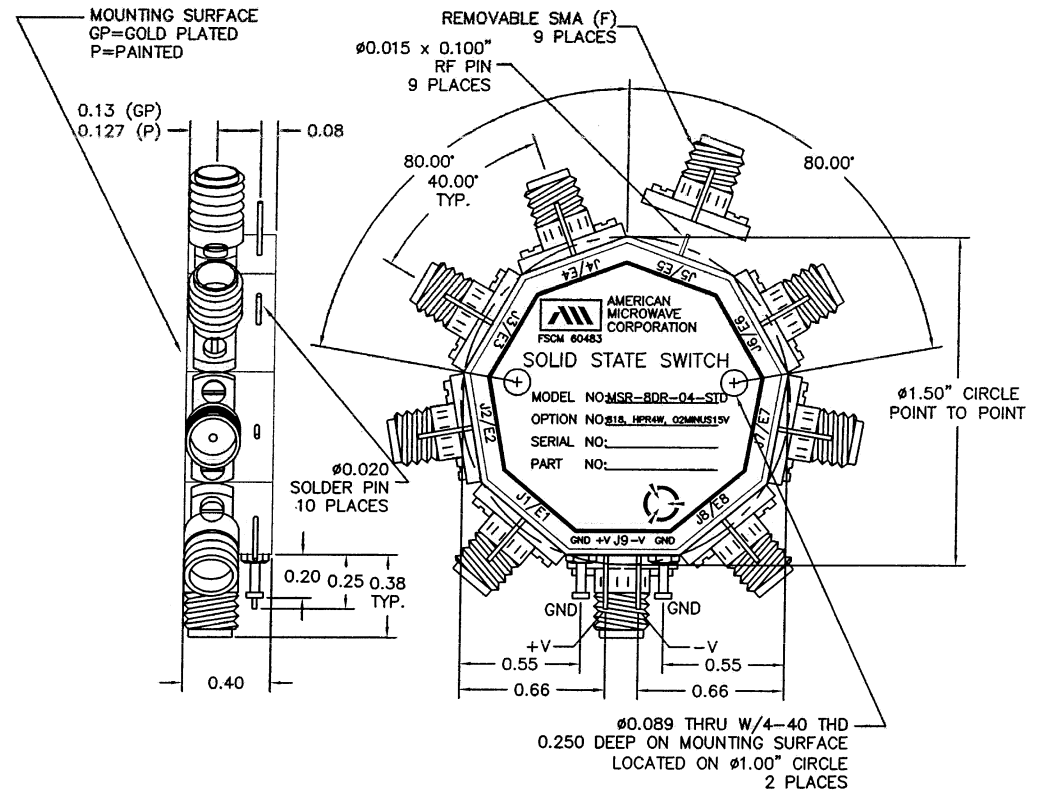
ENVIRONMENTAL RATINGS:

- 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

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DRAWN <i>JKM</i>		6/17/05	PRODUCT FEATURE MSR-8DR-04-STANDARD OPTION: 818, HPR4W, 02MINUS15V 8 - 18 GHz SP8T PIN DIODE SWITCH			-
CHECKED <i>LC</i>		6/21/05	SIZE	FSCM NO.	DWG NO.	
ISSUED			A	60483	100-7460	
			SCALE	N:S		SHEET 1 OF 3