

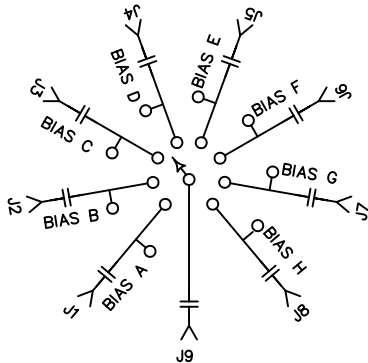
DESCRIPTION

AMC MODEL NO.: MSR-8DR-04-STANDARD OPTION 1840 IS A BROADBAND SP8T REFLECTIVE SP8T PIN DIODE SWITCH DESIGNED FOR THE 18 TO 40 GHz FREQUENCY RANGE.

SPECIFICATIONS

- FREQUENCY RANGE: 18 - 40 GHz
- INSERTION LOSS: 6 dB MAXIMUM
- RF POWER: +10 dBm MAXIMUM
- SWITCHING TIME: 150 nS MAXIMUM
- ISOLATION: 50 dB GOAL
40 dB TYPICAL
30 dB MINIMUM
- CONTROL: LOGIC "0"=ON; LOGIC "1"=OFF
- RF CONNECTORS: 2.9 mm FEMALE
- POWER SUPPLY: +5V @ 400 mA MAXIMUM
-5V @ 75 mA MAXIMUM

BLOCK DIAGRAM



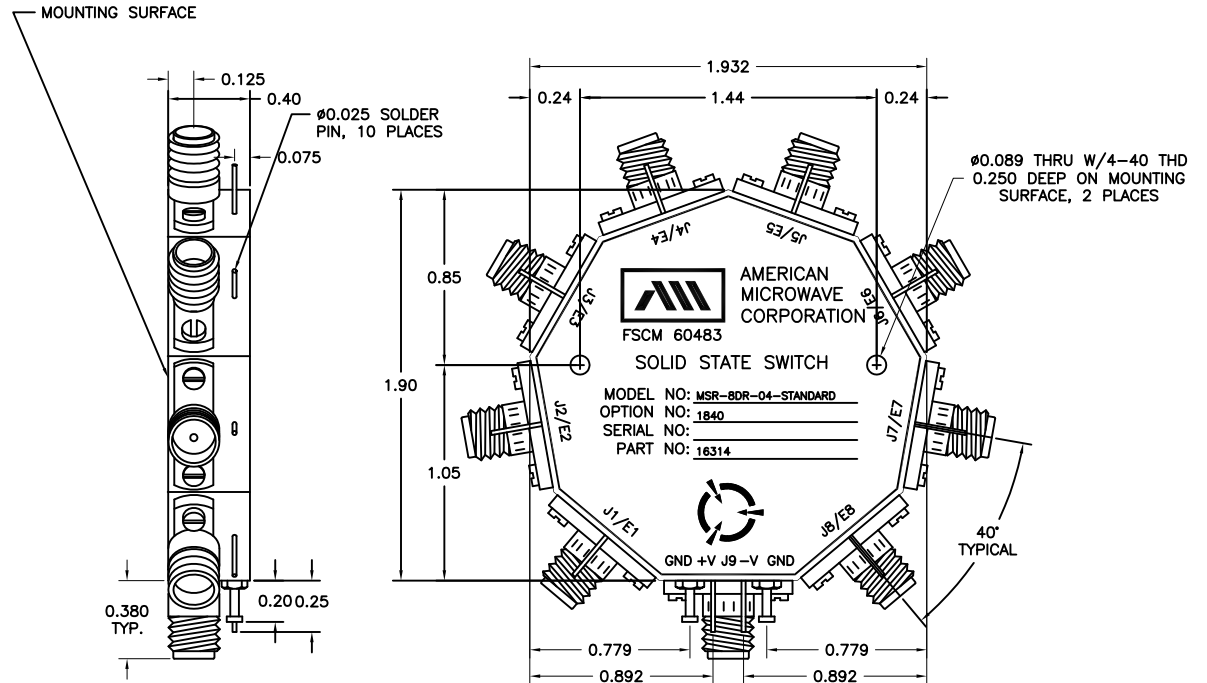
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202G, METHOD 103B COND. B
- SHOCK: MIL-STD-202G, METHOD 213B COND. B
- VIBRATION: MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202G, 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 07-047	04/27/07	



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APPROVALS		DATE	TITLE			
DRAWN <i>WJL</i>		04/27/07	PRODUCT FEATURE MSR-8DR-04-STANDARD OPTION: 1840 SP8T REFLECTIVE PIN DIODE SWITCH			
CHECKED			SIZE A	FSCM NO. 60483	DWG NO. 100-M002-000	REV. -
ISSUED			SCALE N:S	SHEET 1 OF 4		