

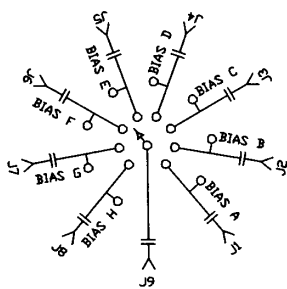
DESCRIPTION

AMC MODEL MSR-8DR/DT-04-STANDARD OPTIONS 50M105, SPARWAR, 3SS, 45060 IS A SINGLE POLE EIGHT THROW, REFLECTIVE SWITCH MODULE WITH PHASE AND AMPLITUDE BALANCE OF $\pm 5^\circ$ AND $\pm 0.5\text{dB}$ RESPECTIVELY, LOW LOSS, AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR NARROW BAND AS WELL AS BROAD BAND OPERATION.

SPECIFICATIONS:

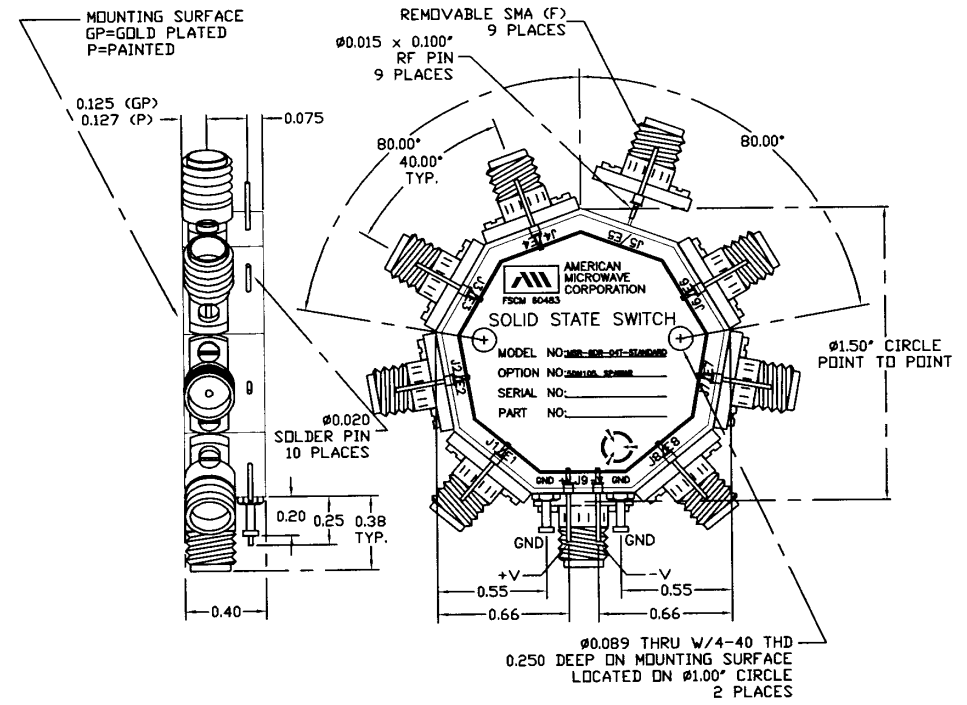
- FREQUENCY: 50 MHz TO 1500 MHz
- INSERTION LOSS: 1.6 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: 2.0:1
- SPEED: DELAY ON: 2uSec MAXIMUM
 DELAY OFF: 2uSec MAXIMUM
- POWER INPUT: +15dBm MAXIMUM
- RF CONNECTORS: SMA FEMALE
- POWER/LOGIC CONNECTORS: SOLDER PINS
- CONTROL: TTL LOGIC "0" = ON
- POWER SUPPLY: +5V @ 480 mA MAX.
 -5V @ 160 mA MAX.
- PHASE BALANCE: $\pm 3^\circ$ TO 1000 MHz
 $\pm 5^\circ$ TO 1500 MHz
- AMPLITUDE BALANCE: ± 5 dB
- SIZE $\varnothing 1.500$ CIRCLE POINT TO POINT X 0.400 (H)
- WEIGHT 2.5 OUNCES TYPICAL

BLOCK DIAGRAM



ZONE		REV.	DESCRIPTION	DATE	APPROVED
		-	ORIGINAL RELEASE, JOB# 903043E	10/29/03	

MECHANICAL OUTLINE



CONFIDENTIAL AND PROPRIETARY

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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>WBS</i>	10/29/03	PRODUCT FEATURE MSR-8DR-04-STANDARD OPTIONS 50M105, SPARWAR SOLID STATE SWITCH	
CHECKED		SIZE	FSCM NO.
ISSUED		A	60483
		DWG NO.	100-6816
		SCALE	N/S
		SHEET	1 of 3