

DESCRIPTION:

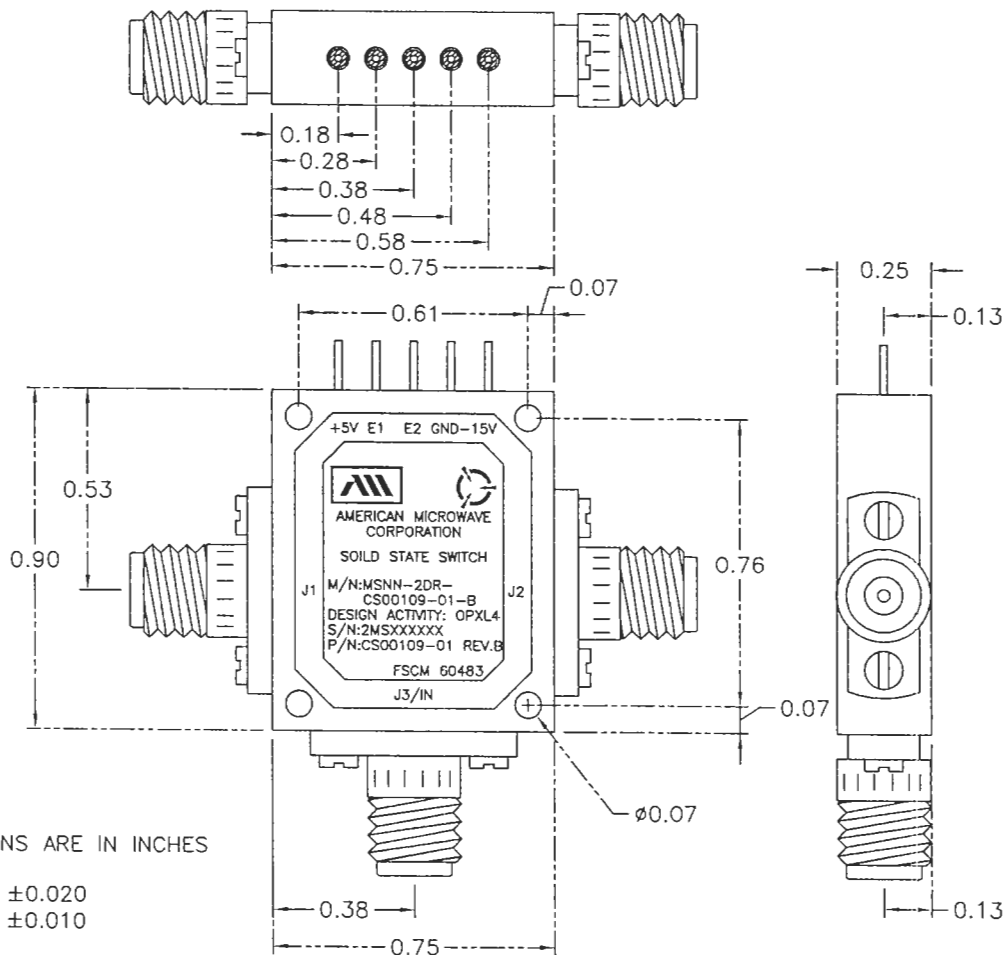
AMC MODEL MSNN-2DR-CS00109-01-B IS A REFLECTIVE SP2T SWITCH WITH SLIM LINE DESIGN AND INTEGRAL TTL DRIVER THAT WORKS FROM 0.1 TO 22.0 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		- ORIGINAL RELEASE	JOB# 403042PE	4/5/04

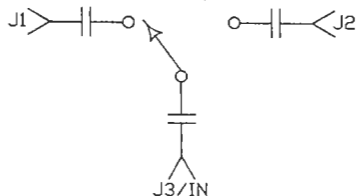
SPECIFICATIONS:

- FREQUENCY: .....0.1-22.0 GHz
- INSERTION LOSS:
  - 0.1-0.5 GHz ..... 1.0 dB MAXIMUM
  - 0.5-8.0 GHz ..... 1.5 dB MAXIMUM
  - 8.0-18.0 GHz ..... 2.2 dB MAXIMUM
  - 18.0-20.0 GHz ..... 2.5 dB MAXIMUM
  - 20.0-22.0 GHz ..... 3.0 dB MAXIMUM
- ISOLATION:
  - 0.1-0.5 GHz ..... -80 dB MINIMUM
  - 0.5-8.0 GHz ..... -70 dB MINIMUM
  - 8.0-22.0 GHz ..... -60 dB MINIMUM
- VSWR: .....2.2:1
- RF POWER: .....+27 dBm CW MAXIMUM
- SWITCHING TIME: .....100 nS MAXIMUM
- POWER SUPPLY: .....+5V @ 50mA MAXIMUM  
 .....-15V @ 30mA MAXIMUM
- CONTROL: .....TTL LOGIC "0"=ON "1"=OFF
- SIZE: .....0.90" (L) x 0.75" (W) x 0.25" (H)

M/N = MODEL NUMBER  
 O/N = OPTION NUMBER  
 S/N = SERIAL NUMBER  
 P/N = PART NUMBER



BLOCK DIAGRAM



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

ENVIRONMENTAL RATINGS

- OPERATING TEMPERATURE .....-65°C TO 110°C
- NON-OPERATING TEMPERATURE .....-65°C TO 125°C
- 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

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN JDF	4/5/04	PRODUCT FEATURE	
REDRAWN JDF	8/17/04	MSNN-2DR-CS00109-01-B	
ISSUED JA	8/31/04	0.1 TO 22 SINGLE POLE TWO THROW SWITCH	
SIZE A	FSCM NO. 60483	DWG NO. 100-6954	REV. -
SCALE N:S		SHEET 1 of 3	