

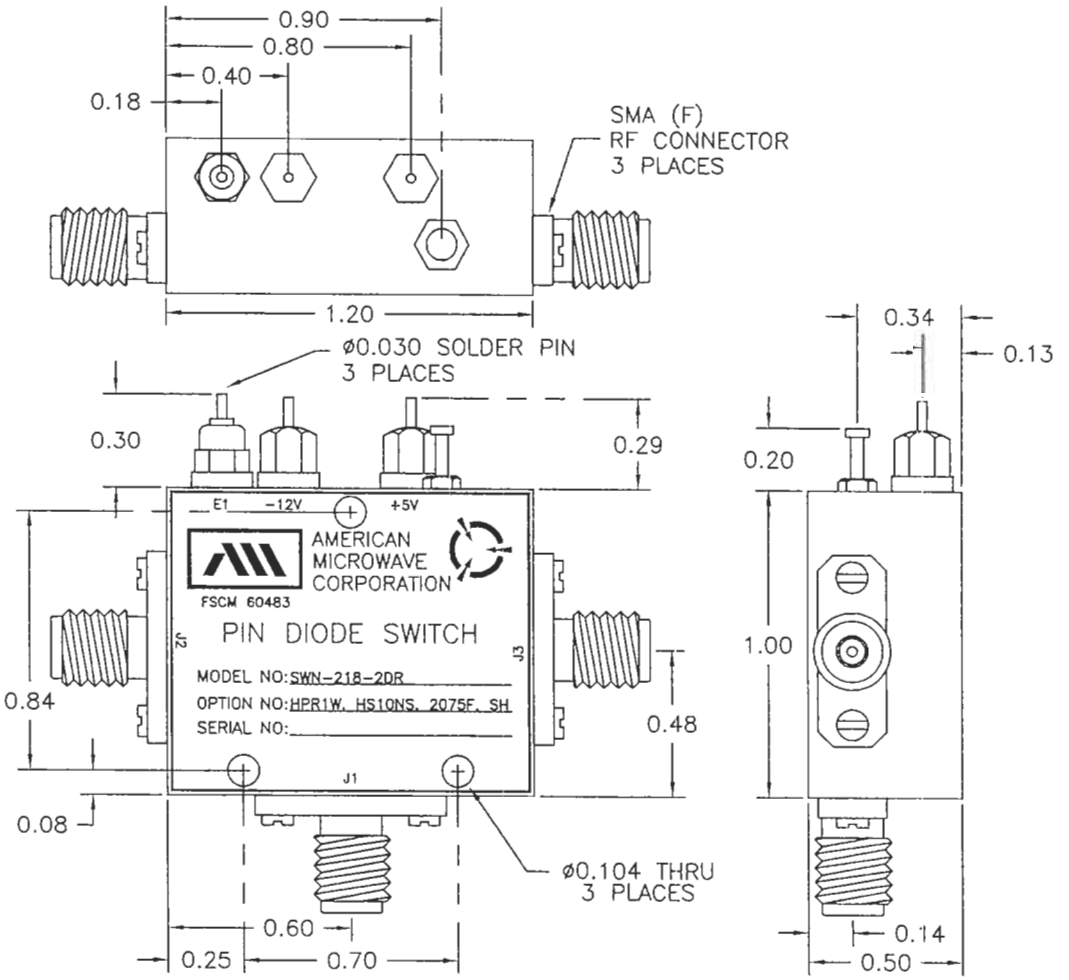
DESCRIPTION:

AMC MODEL SWN-218-2DR OPTION: HPR1W, HS10NS, 2075F, SH IS A SINGLE POLE TWO THROW, REFLECTIVE SOLID STATE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH SPEED, HIGH POWER AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 2.5 TO 3.0 GHz OPERATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL JOB# 301003NPEX	03/21/03	

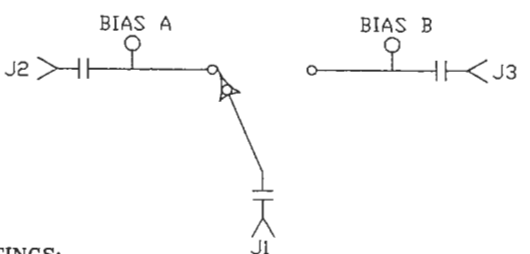
SPECIFICATIONS:

- FREQUENCY: 2.5 GHz TO 3.0 GHz
- INSERTION LOSS: 1.2 dB MAXIMUM.
- ISOLATION: 40 dB MINIMUM.
- VSWR (ALL PORTS): 1.5:1
- SWITCHING SPEED:
(50% TTL TO 90% RF) 10 nS MAXIMUM.
- CONTROL: TTL SINGLE CONTROL
- POWER SUPPLY: +5 VDC @ 100 mA MAXIMUM
 -12 OR -15 VDC @ 50 mA MAXIMUM
- RF INPUT POWER: 30 dBm MAXIMUM @ 1dB COMPRESSION
- CONNECTORS (RF): SMA FEMALE, 3 PLACES
- CONNECTORS (POWER): SOLDER PINS
- CONNECTORS (CONTROL): SOLDER PINS
- LOGIC "0": J1 TO J2 (FAIL SAFE ARM)
- LOGIC "1": J1 TO J3
- SIZE: 1.20" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: 1.5 OUNCE TYPICAL



NOTE:
DR=WITH DRIVER, REFLECTIVE

BLOCK DIAGRAM



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

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

APPROVALS	DATE
DRAWN <i>KAB</i>	03/21/03
REDRAWN <i>JDJ</i>	8/5/04
ISSUED <i>PA</i>	8/21/04

AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND			
SIZE A	FSCM NO. 60483	DWG NO. 100-6567	REV.
SCALE N/S			SHEET 1 OF 3