

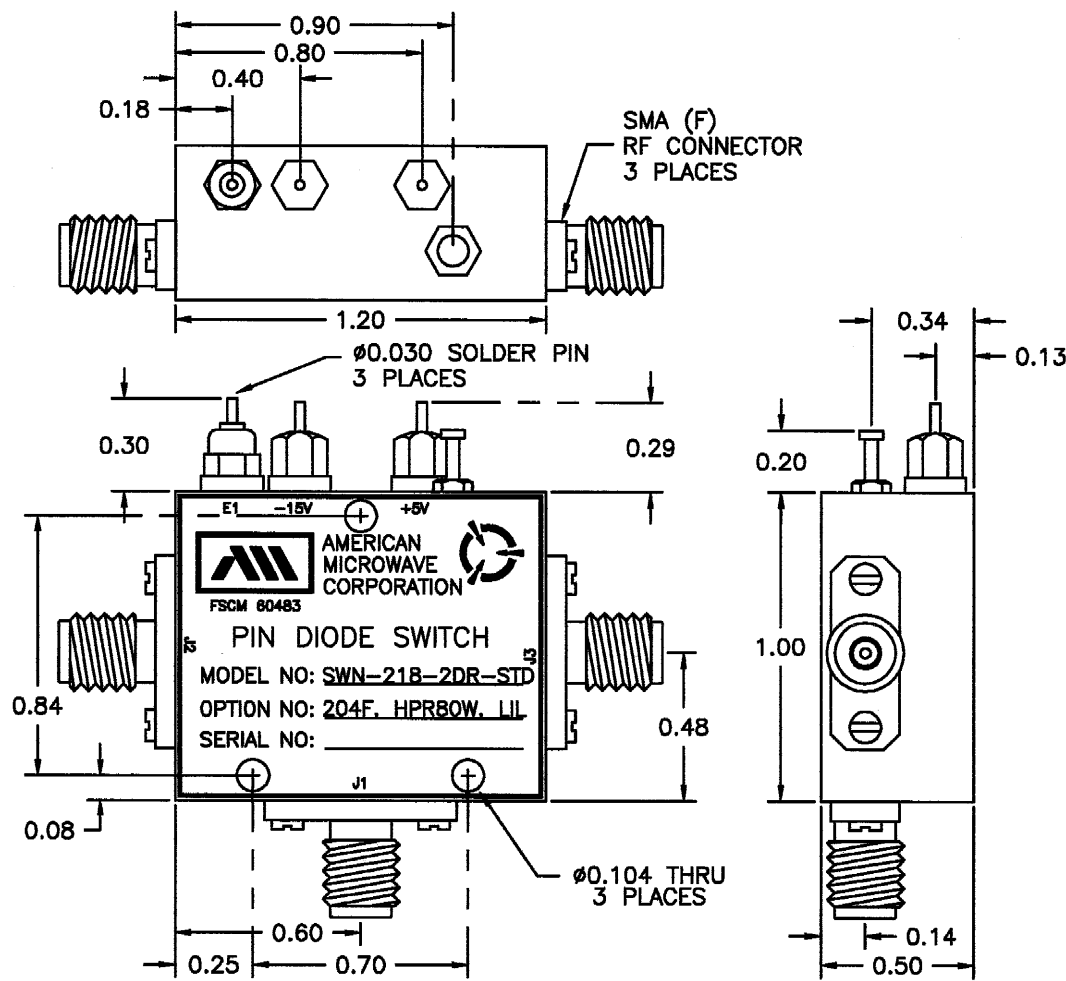
**DESCRIPTION:**

AMC MODEL SWN-218-2DR-STANDARD OPTIONS 204F, HPR80W, LIL IS A SINGLE POLE TWO THROW, HIGH POWER (80 WATTS) REFLECTIVE COLD SWITCHING SWITCH MODULE WITH VERY LOW INSERTION LOSS AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 2.4 TO 2.5 GHz OPERATION.

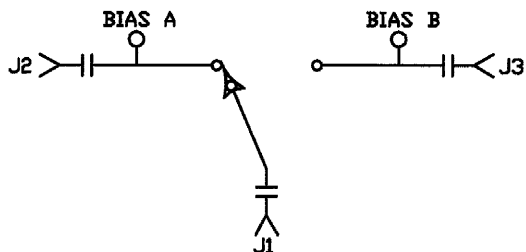
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL JOB# 003042E	05/15/00	

**SPECIFICATIONS:**

- FREQUENCY: ..... 2.4 GHz TO 2.5 GHz
- INSERTION LOSS: ..... 0.8 dB MAX.
- ISOLATION: ..... 40 dB MIN.
- VSWR (ALL PORTS): ..... 2.0:1
- SWITCHING SPEED: (50% TTL TO 90% RF) ..... 1 us MAX.
- RF POWER: ..... 80 WATTS.
- CONTROL: ..... TTL SINGLE ENDED 1 BIT
- POWER SUPPLY: ..... +5 VDC @ 100 mA MAXIMUM  
 ..... -15 VDC @ 75 mA MAXIMUM
- CONNECTORS (RF): ..... SMA FEMALE, 3 PLACES
- CONNECTORS (POWER): ..... SOLDER PINS
- CONNECTORS (CONTROL): ..... SOLDER PINS
- LOGIC "0": ..... J1 TO J2
- LOGIC "1": ..... J1 TO J3
- SIZE: ..... 1.20" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: ..... 1.5 OUNCE TYPICAL



**BLOCK DIAGRAM**



NOTE:  
 DR=WITH DRIVER, REFLECTIVE  
 DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

**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: 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	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN WSP, RRA		05/15/00	TITLE PRODUCT FEATURE SWN-218-2DR-STANDARD OPTIONS 204F, HPR80W, LIL		
CHECKED			SIZE A	FSCM NO. 60483	DWG NO. 100-4427-11
ISSUED			SCALE N/S	SHEET 1 of 3	