

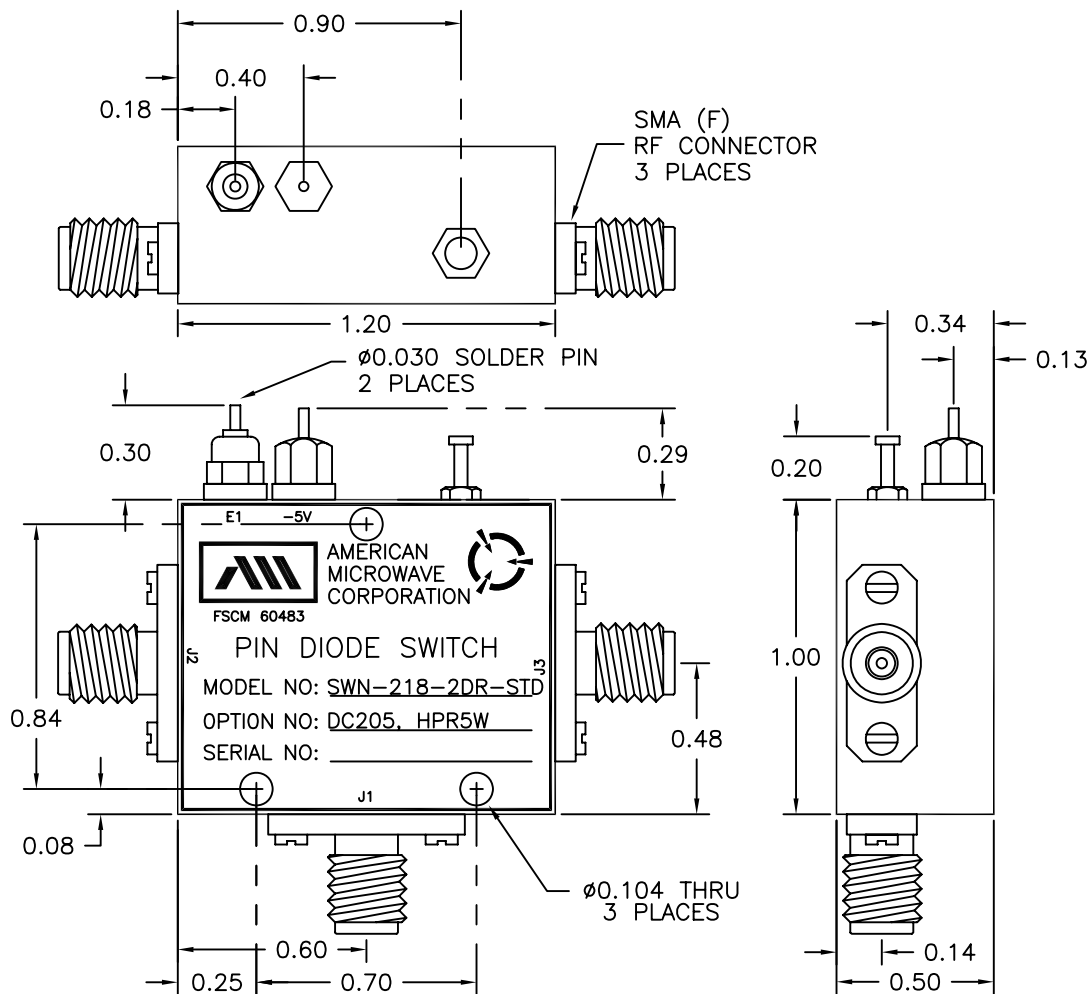
**DESCRIPTION:**

AMC MODEL SWN-218-2DR-STANDARD OPTIONS DC204, HPR5W IS A SINGLE POLE TWO THROW, HIGH POWER (5 WATTS) REFLECTIVE T/R SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, LOW VIDEO TRANSIENT AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR DC TO 2.5 GHz OPERATION USABLE TO 4 GHz.

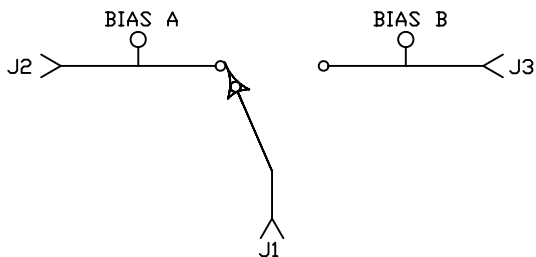
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL JOB# 003038E	08/15/00	

**SPECIFICATIONS:**

- FREQUENCY: DC TO 2.5 GHz (USABLE TO 4 GHz)
- INSERTION LOSS: 0.8 dB TYPICAL, 1.0 dB MAXIMUM
- ISOLATION: 22 dB TYPICAL, 20 dB MAXIMUM
- VSWR (ALL PORTS): 1.5:1
- SWITCHING SPEED:  
 (10/90% RF TO 90/10% RF) 30 nS MAXIMUM  
 (50% TTL TO 90/10% RF) 40 nS MAXIMUM
- RF POWER: 5 WATTS (10 WATTS AVAILABLE)
- CONTROL: TTL SINGLE ENDED 1 BIT
- POWER SUPPLY: -5 VDC @ 25 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**



**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

**CONFIDENTIAL AND PROPRIETARY**

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN <i>WSP, RRA</i>		08/15/00	TITLE PRODUCT FEATURE SWN-218-2DR-STANDARD OPTIONS DC205, HPR5W	
CHECKED			SIZE A	FSCM NO. 60483
ISSUED			DWG NO. 100-4427-13	REV.
SCALE N/S			SHEET 1 of 3	