

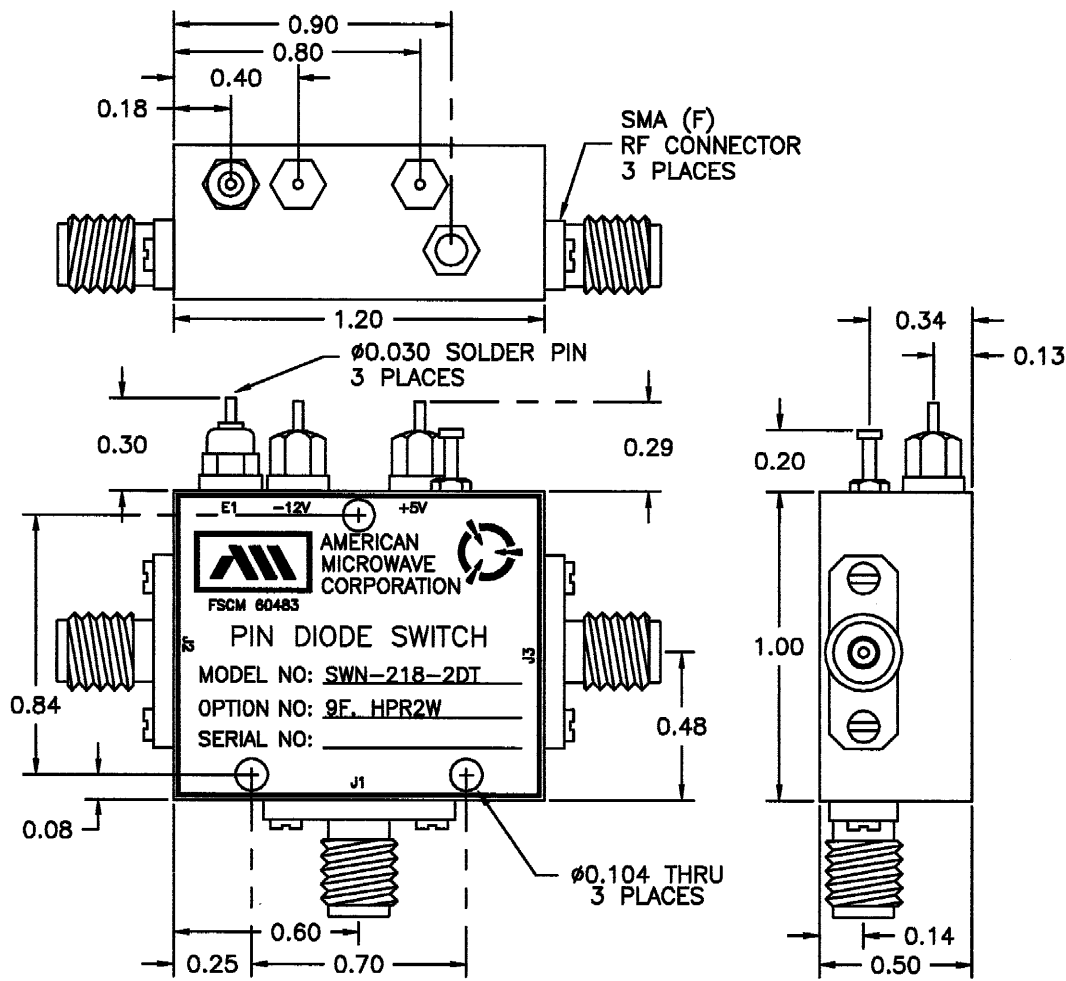
DESCRIPTION:

AMC MODEL SWN-218-2DT OPTION 9F, HPR2W IS A SINGLE POLE TWO THROW, HIGH POWER(2 WATTS) NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 9.5 TO 10.0 GHz OPERATION.

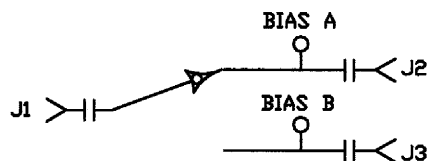
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE	11/15/90	

SPECIFICATIONS:

- FREQUENCY: 9.5 GHz TO 10 GHz
- INSERTION LOSS: 2.0 dB MAX., 1.5 dB TYPICAL
- ISOLATION: 70 dB MIN., 80 dB TYPICAL
- VSWR (ALL PORTS): 2.0:1
- SWITCHING SPEED:
(50% TTL TO 90% RF) 100 ns MAX., 60 ns TYPICAL
(90% RF TO 10% TTL) 100 ns MAX., 60 ns TYPICAL
- RF POWER: 2 WATTS MIN., 3 WATTS TYPICAL
- CONTROL: TTL SINGLE ENDED 1 BIT
- POWER SUPPLY: +5 VDC @ 100 mA MAXIMUM
-12 VDC @ 100 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 <i>WSP, RRA</i>		11/15/90	TITLE PRODUCT FEATURE SWN-218-2DT OPTIONS 9F, HPR2W	
CHECKED			SIZE A	FSCM NO. 60483
ISSUED			DWG NO. 100-4427-10	REV.
			SCALE N/S	SHEET 1 of 3