

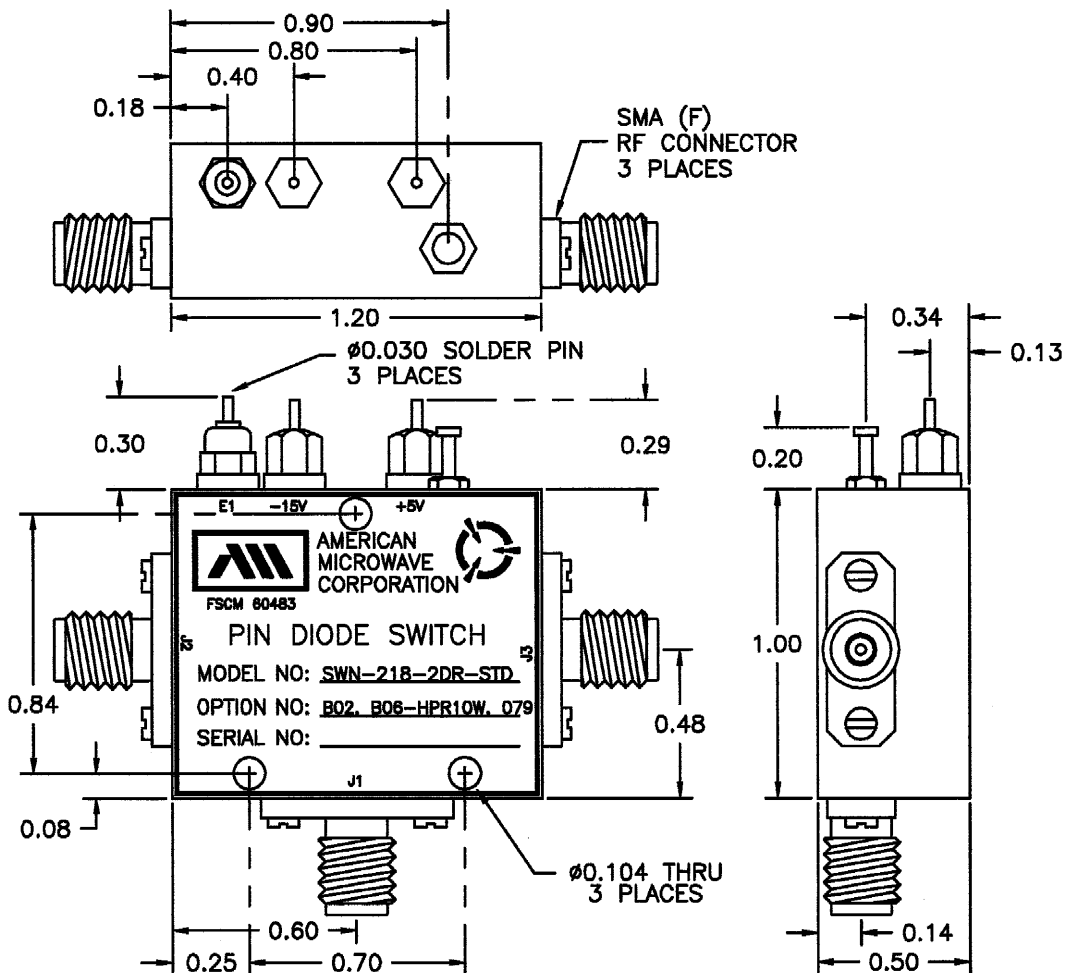
DESCRIPTION:

AMC MODEL SWN-218-2DR-STANDARD OPTIONS B02, B06-HPR10W, 079 IS A HIGH POWER (10 WATTS) SINGLE POLE TWO THROW, REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 700 MHz TO 9.0 GHz OPERATION.

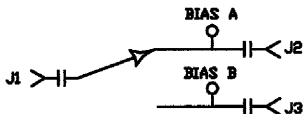
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE	10/12/99	

SPECIFICATIONS:

- FREQUENCY: 700 MHz TO 9 GHz
- INSERTION LOSS: 1.5 dB MAX. 1.0 dB TYPICAL
- ISOLATION: 60 dB MINIMUM
- VSWR (ALL PORTS): 2.0:1
- SPEED: RISE: 75ns TYPICAL, 60ns MAX.
FALL: 25ns TYPICAL, 15ns MAX.
DELAY ON: 150ns TYPICAL, 125ns MAX.
DELAY OFF: 100ns TYPICAL, 75ns MAX.
- RF POWER: +40 dBm MAXIMUM
- CONTROL: TTL SINGLE CONTROL
LOGIC "0": J1 TO J2
LOGIC "1": J1 TO J3
- 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
- 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

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND			
DRAWN <i>WSP, RRA</i>		10/12/99	TITLE PRODUCT FEATURE SWN-218-2DR-STANDARD OPTIONS B02, B06-HPR10W, 079			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	60483	100-4427-8	
			SCALE N/S			SHEET 1 of 3