

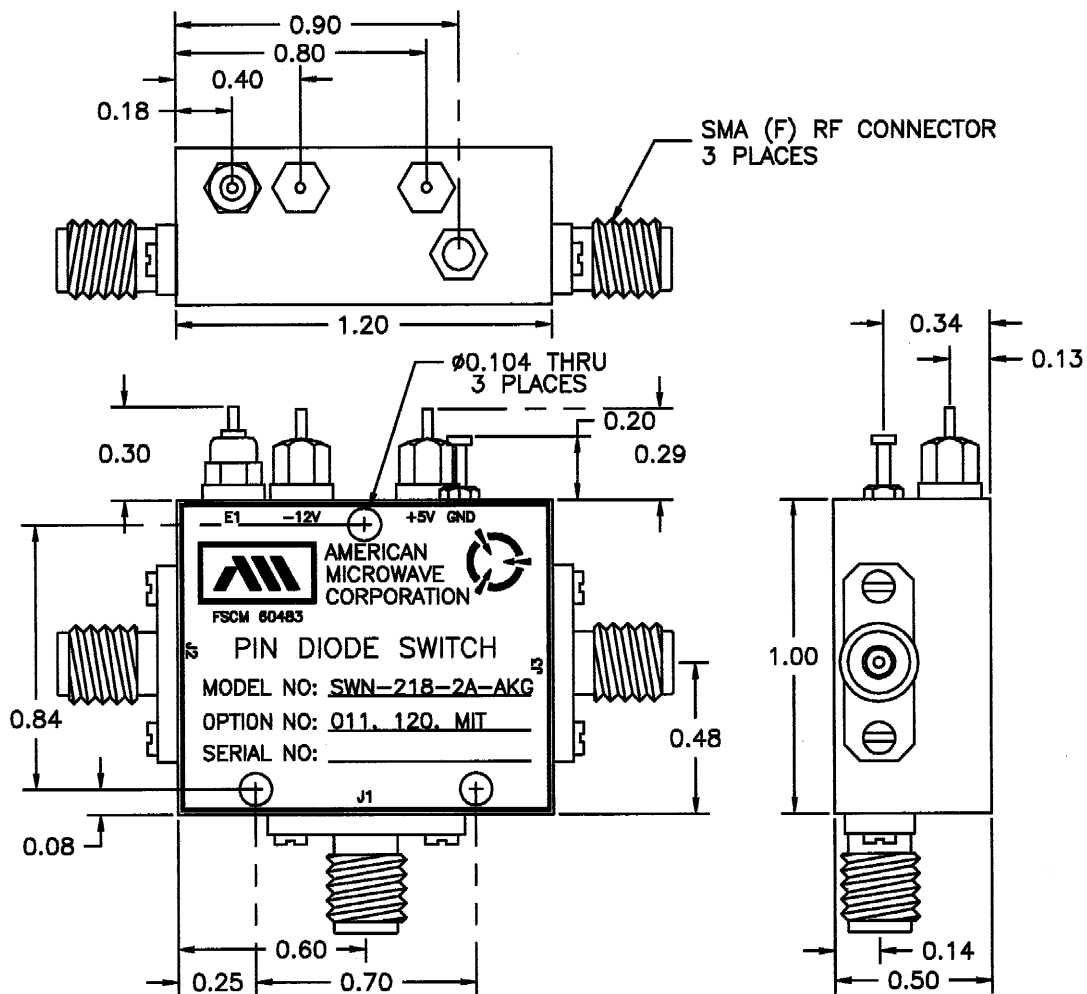
DESCRIPTION:

AMC MODEL SWN-218-2A-AKG OPTION 011, 120, MIT IS A SINGLE POLE TWO THROW, NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH VERY HIGH ISOLATION, LOW LOSS, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR BROAD BAND OPERATIONS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE	7/27/99	

SPECIFICATIONS:

- FREQUENCY: 0.1 GHz TO 20 GHz
- INSERTION LOSS: 5.0dB MAXIMUM
- ISOLATION: 110 MINIMUM
- VSWR (ON AND OFF): 2.0:1 MAXIMUM
- SWITCHING SPEED: 300 nsec (10%-90% RF)
- CONTROL LOGIC: SINGLE CONTROL TTL TOGGLE
 LOGIC "0" = J1-J2 ON
 LOGIC "1" = J1-J3 ON
- RF CONNECTORS SMA FEMALE
- OPERATING TEMPERATURE ... 0 TO 55°C
- POWER SUPPLY: +5V @ 200 mA MAXIMUM
 -12V @ 100 mA MAXIMUM
- RF POWER (SURVIVAL): +30 dBm (1 WATT)
- RF POWER (OPERATING): +20 dBm MAXIMUM
- RF PHASE TRACKING 2 DEGREES PER DEGREE C
 (ALL PORTS WITH RESPECT TO COMMON WITH TEMPERATURE)
- SIZE 1.2" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT 1.2 oz.



ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°C TO +55°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

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:

- X.XX ±0.020
- X.XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN <i>WSP, RRA</i>		7/27/99	TITLE OUTLINE DRAWING	
CHECKED			SWN-218-2A-AKG 011, 120, MIT SOLID STATE SWITCH	
ISSUED			SIZE A	FSCM NO. 60483
			DWG NO. 100-4790-3	REV.
			SCALE N/S	SHEET 1 of 2