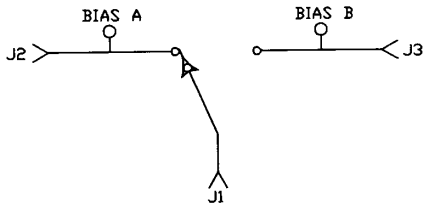
DESCRIPTION:

AMC MODEL NUMBER SWN-218-2DT-STANDARD OPTIONS 612, B0530NS IS A SINGLE POLE DOUBLE THROW, ABSORPTIVE, PIN DIODE SWITCH MODULE WITH LOW LOSS WITH INTEGRAL TTL DRIVER AND DESIGNED FOR THE 6 TO 12 GHz FREQUENCY BAND.

SPECIFICATIONS:

- FREQUENCY: 6 GHz TO 12 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 40 dB MINIMUM
- VSWR: ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: RISE: 20 nS MAXIMUM
  FALL: 20 nS MAXIMUM
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC "0"= J1-J2 ON "1"= J1-J3 ON
- POWER SUPPLY: +5V @ 100 mA MAXIMUM
  -5V @ 100 mA MAXIMUM
- CONNECTORS:
  - RF: SMA FEMALE
  - CONTROL: SOLDER PIN
- SIZE: 1.20" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: 1.5 OUNCE TYPICAL

BLOCK DIAGRAM



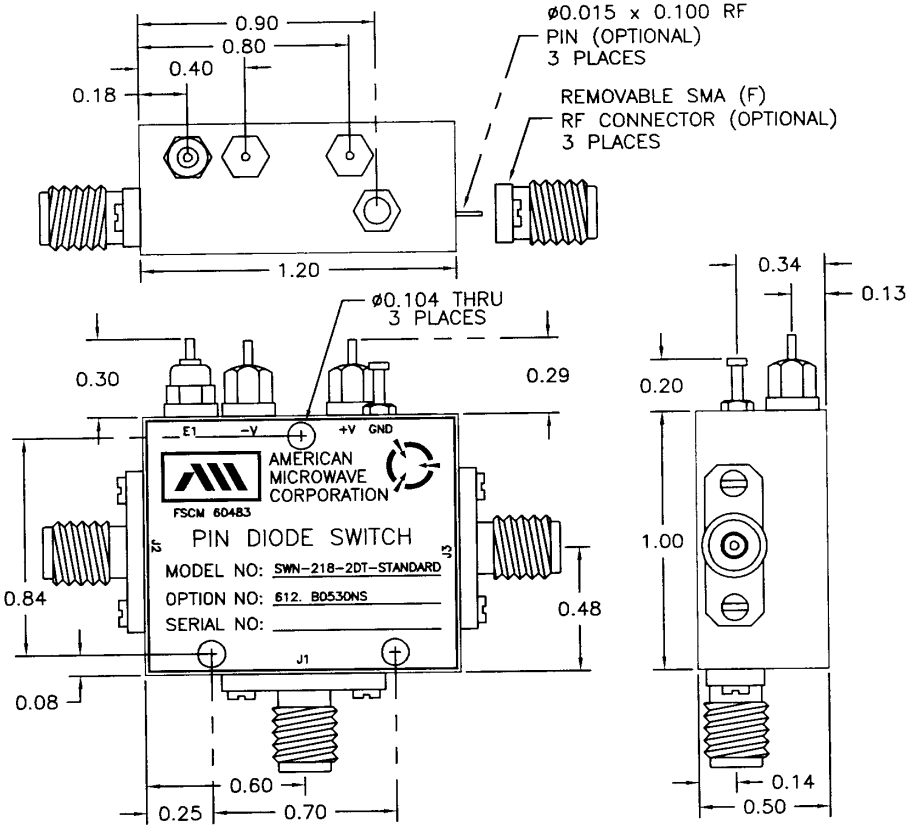
ENVIRONMENTAL RATINGS:

- 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE, JOB# 004086E	11/12/03	

MECHANICAL OUTLINE



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE
DRAWN WHS	11/12/03
CHECKED	
ISSUED	

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE: PRODUCT FEATURE
SWN-218-2DT-STANDARD
OPTIONS 612, B0530NS

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-6846	-

SCALE N/S SHEET 1 of 3