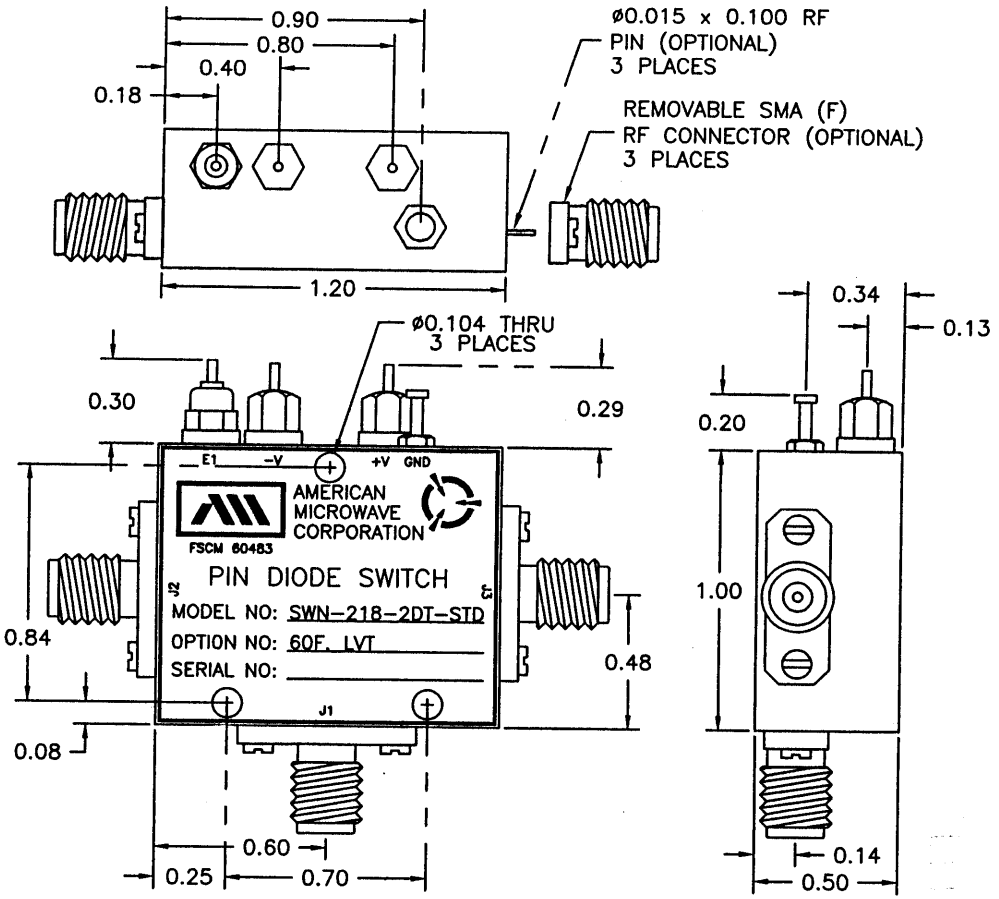
DESCRIPTION:

AMC MODEL SWN-218-2DT-STANDARD IS A SINGLE POLE TWO THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS LOW VIDEO TRANSIENTS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER.

SPECIFICATIONS:

- FREQUENCY: ..... 60 MHz
- INSERTION LOSS: ..... 2.0 db
- ISOLATION: ..... 80 dB ISOLATION
- VSWR: ..... ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: ..... RISE: 10ns TYPICAL, 15ns MAX.
  FALL: 10ns TYPICAL, 15ns MAX.
  DELAY ON: 20ns MAX.
  DELAY OFF: 20ns MAX.
- POWER INPUT: ..... (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: ..... 1 WATT CW, 10 WATTS PEAK 1 usec
- VIDEO TRANSIENT: ..... 50 mV
- CONTROL: ..... TTL LOGIC "0"= J1-J2 ON "1"= J1-J3 ON
- POWER SUPPLY: ..... +5V @ 100 mA MAX.
  -5V @ 100 mA MAX.(ABSORPTIVE/NON-REFLECTIVE)
- CONNECTORS:
  - RF ..... SMA FEMALE
  - CONTROL ..... SOLDER PIN
- SIZE: ..... 1.20" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: ..... 1.5 OUNCE TYPICAL

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL JOB# 009214E	10/26/00	

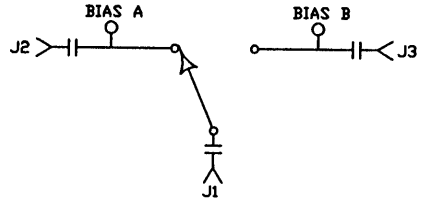


NOTE:

DR=WITH DRIVER, REFLECTIVE

DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

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
DRAWN WZS	10/26/00
CHECKED	
ISSUED	

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE
PRODUCT FEATURE
SWN-218-2DT-STANDARD
OPTIONS: 60F, LVT

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-5757	-

SCALE 1.5:1 SHEET 1 of 3