

## DESCRIPTION

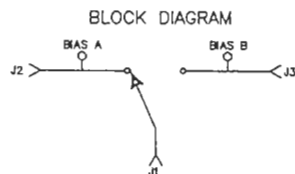
AMC MODEL SWN-218-2A OPTION: 218, 19V, 103-50MV IS A SINGLE POLE TWO THROW SWITCH DESIGNED TO OPERATE OVER THE 2 TO 18 GHz FREQUENCY RANGE WITH A SUPPLY VOLTAGE OF 19V, AN INSERTION LOSS OF 3.25 dB MAXIMUM AND ISOLATION OF 55 dB MINIMUM.

## SPECIFICATIONS:

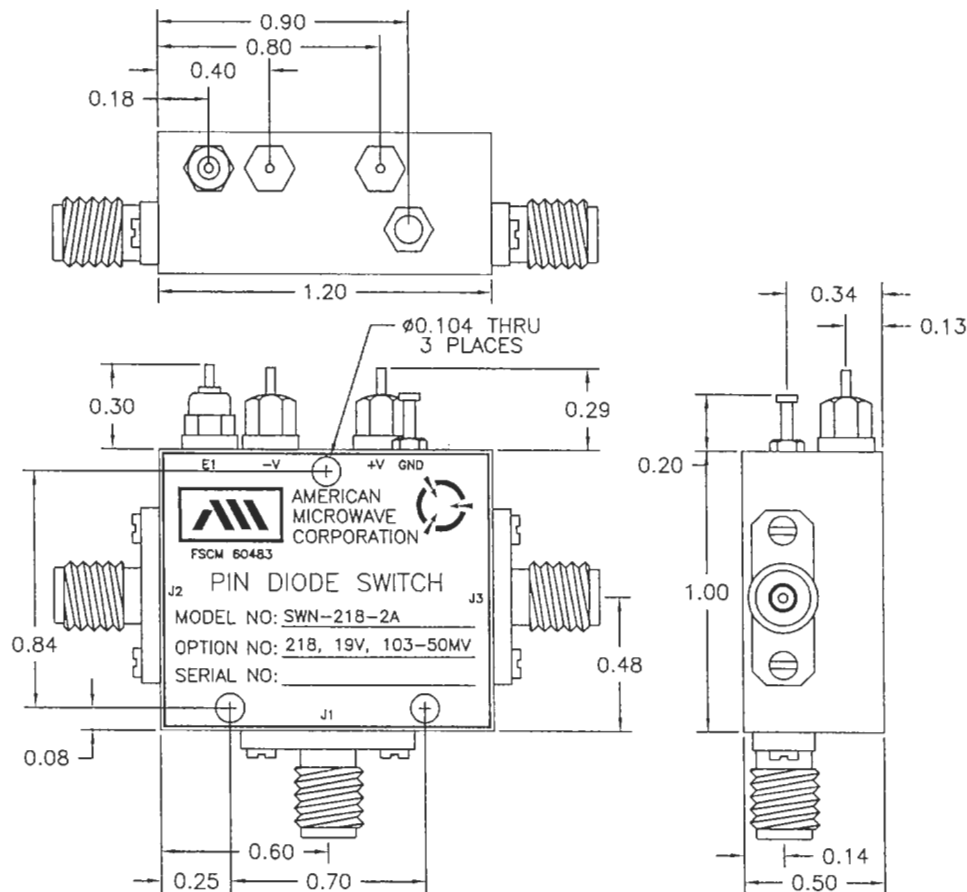
FREQUENCY RANGE: .....2-18 GHz  
 INSERTION LOSS: .....3.25 dB MAXIMUM  
 ISOLATION: .....80 dB MINIMUM @ 2 GHz  
                   55 dB MINIMUM @ 18 GHz  
 VSWR: .....2.0:1  
 RISE TIME: .....50 nSec MAXIMUM (10% RF TO 90% RF)  
 FALL TIME: .....50 nSec MAXIMUM (90% RF TO 10% RF)  
 POWER HANDLING: .....+20 dBm, CW MAXIMUM  
 DC POWER: .....+19 VDC ±5% @ 65 mA MAXIMUM  
                   -19 VDC ±5% @ 50 mA MAXIMUM  
 SIZE: .....1.20"(L) x 1.00"(W) x 0.50"(H)

## OPTIONS:

218: .....2-18 GHz FREQUENCY RANGE  
 19V: .....±19V SUPPLIES  
 103-50MV: .....LOW VIDEO TRANSIENTS OF 50 mV P-P  
                   @ 20 MHz BW



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE JOB# 406113	06/22/04	



## ENVIRONMENTAL RATINGS

- TEMPERATURE: .....-65°C TO +110°C (OPERATING)  
                   -65°C TO +125°C (NON-OPERATING)
- 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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	JDJ	6/22/04	PRODUCT FEATURE SWN-218-2A		
REDRAWN	JDJ	8/17/04	OPTION: 218, 19V, 103-50MV 2 TO 18 GHz SINGLE POLE TWO THROW SWITCH		
ISSUED	PA	8/21/04	SIZE	FSCM NO.	DWG NO.
			A	60483	100-7018
			SCALE	N:S	SHEET 1 OF 3