

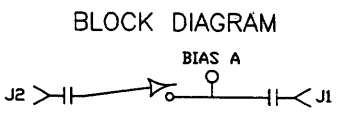
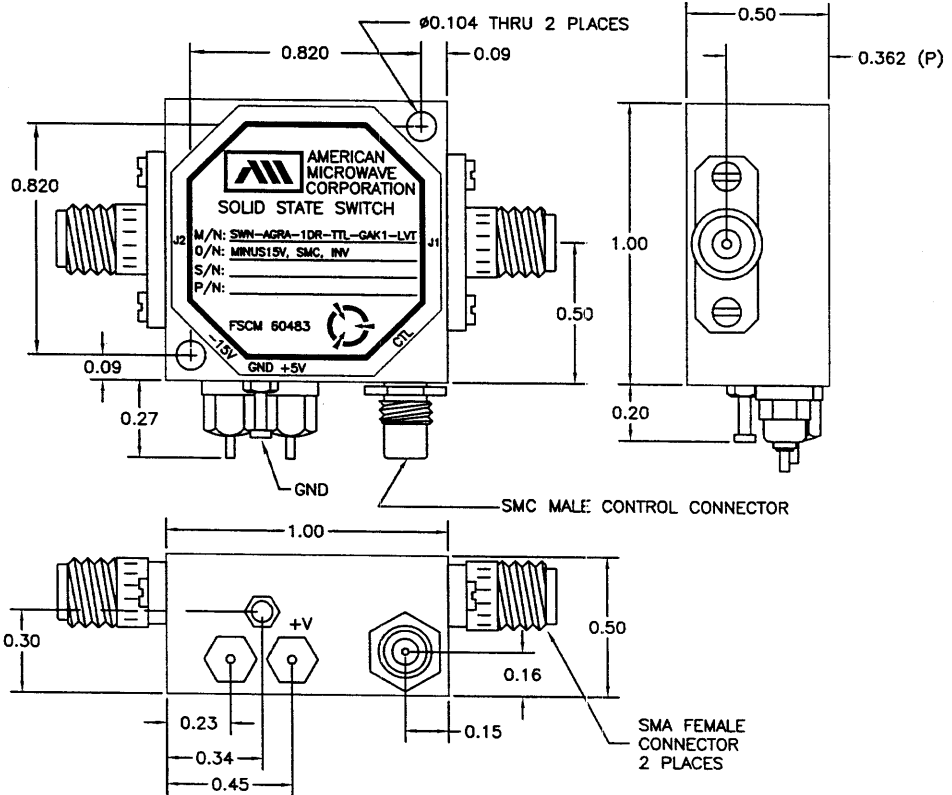
**DESCRIPTION:**

AMC MODEL SWN-AGRA-1DR-TTL-GAK1-LVT OPT. MINUS15V, SMC, INV IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, INVERTED LOGIC AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW VIDEO TRANSIENTS AND DESIGNED FOR THE 2 GHz TO 18 GHz BANDWIDTH.

ZONE		REV.	DESCRIPTION	DATE	APPROVED
-		-	ORIGINAL RELEASE, JOB# 402025	4/21/04	ES

**SPECIFICATIONS:**

- FREQUENCY: ..... 2 GHz TO 18 GHz
- INSERTION LOSS: ..... 2.5 dB MAX
- ISOLATION: ..... 70 dB MIN
- VSWR: ..... 2.0:1
- SPEED: ..... RISE: 5 nS MAXIMUM  
FALL: 5 nS MAXIMUM  
DELAY ON: 12 nS MAXIMUM  
DELAY OFF: 12 nS MAXIMUM
- POWER INPUT: ..... +15 dBm CW MAXIMUM @ 2 GHz TO 18 GHz
- RF CONNECTORS: ..... SMA FEMALE
- DC POWER SUPPLY: ..... +5VDC @ 60 mA MAXIMUM  
-15VDC @ 60 mA MAXIMUM
- CONTROL: ..... TTL LOGIC "1"=ON "0"=OFF
- WEIGHT: ..... 1.5 OUNCES TYPICAL
- SIZE: ..... 1.00 (L) X 1.00 (W) X 0.50 (H)



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: ..... -10°C TO +55°C (OPERATING)  
-40°C TO +71°C (STORAGE)
  - HUMIDITY: ..... 95% OVER TEMPERATURE
  - 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

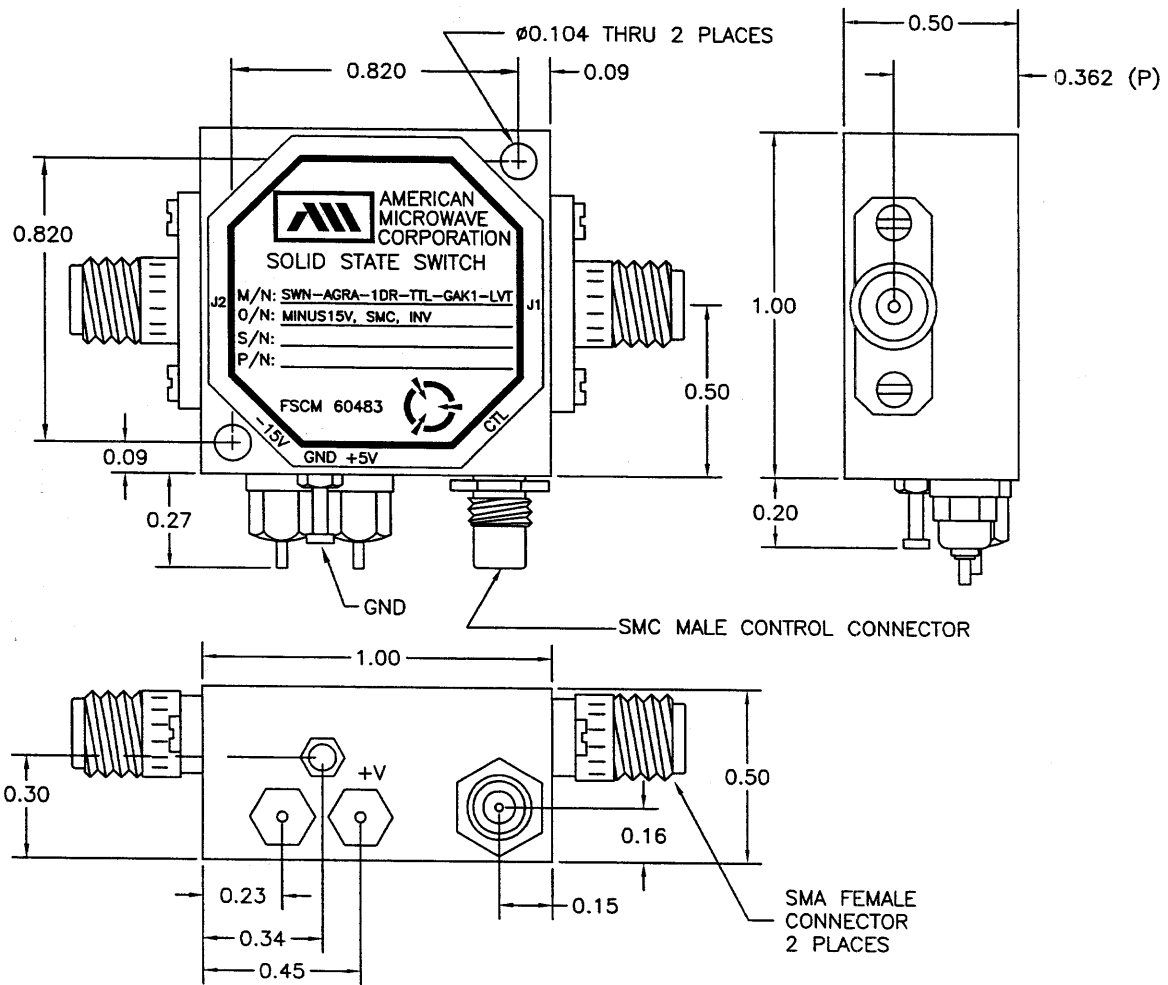
APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN	ESB	4/21/04	TITLE PRODUCT FEATURE SWN-AGRA-1DR-TTL-GAK1-LVT OPTIONS: MINUS15V, SMC, INV 2 TO 18 GHz SINGLE POLE SINGLE THROW SWITCH		
REDRAWN	JDJ	8/17/04	SIZE	FSCM NO.	DWG NO.
ISSUED	PA	4/21/04	A	60483	100-6932
			SCALE	N/S	SHEET 1 of 3

**DESCRIPTION:**

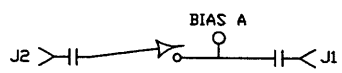
AMC MODEL SWN-AGRA-1DR-TTL-GAK1-LVT OPT. MINUS15V, SMC, INV IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, INVERTED LOGIC AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW VIDEO TRANSIENTS AND DESIGNED FOR THE 2 GHz TO 18 GHz BANDWIDTH.

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
-	-	ORIGINAL RELEASE, JOB# 402025	4/21/04	

**MECHANICAL OUTLINE**



**BLOCK DIAGRAM**



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 X.XX ±0.020  
 X.XXX ±0.010

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN	<i>EGE</i>	4/21/04	TITLE		
REDRAWN	<i>FDJ</i>	8/17/04	OUTLINE DRAWING SWN-AGRA-1DR-TTL-GAK1-LVT OPTIONS: MINUS15V, SMC, INV 2 TO 18 GHz SINGLE POLE SINGLE THROW SWITCH		
ISSUED	<i>PA</i>	12/6/04	SIZE	FSCM NO.	DWG NO.
			A	60483	100-6932
			SCALE	N/S	SHEET 2 of 3