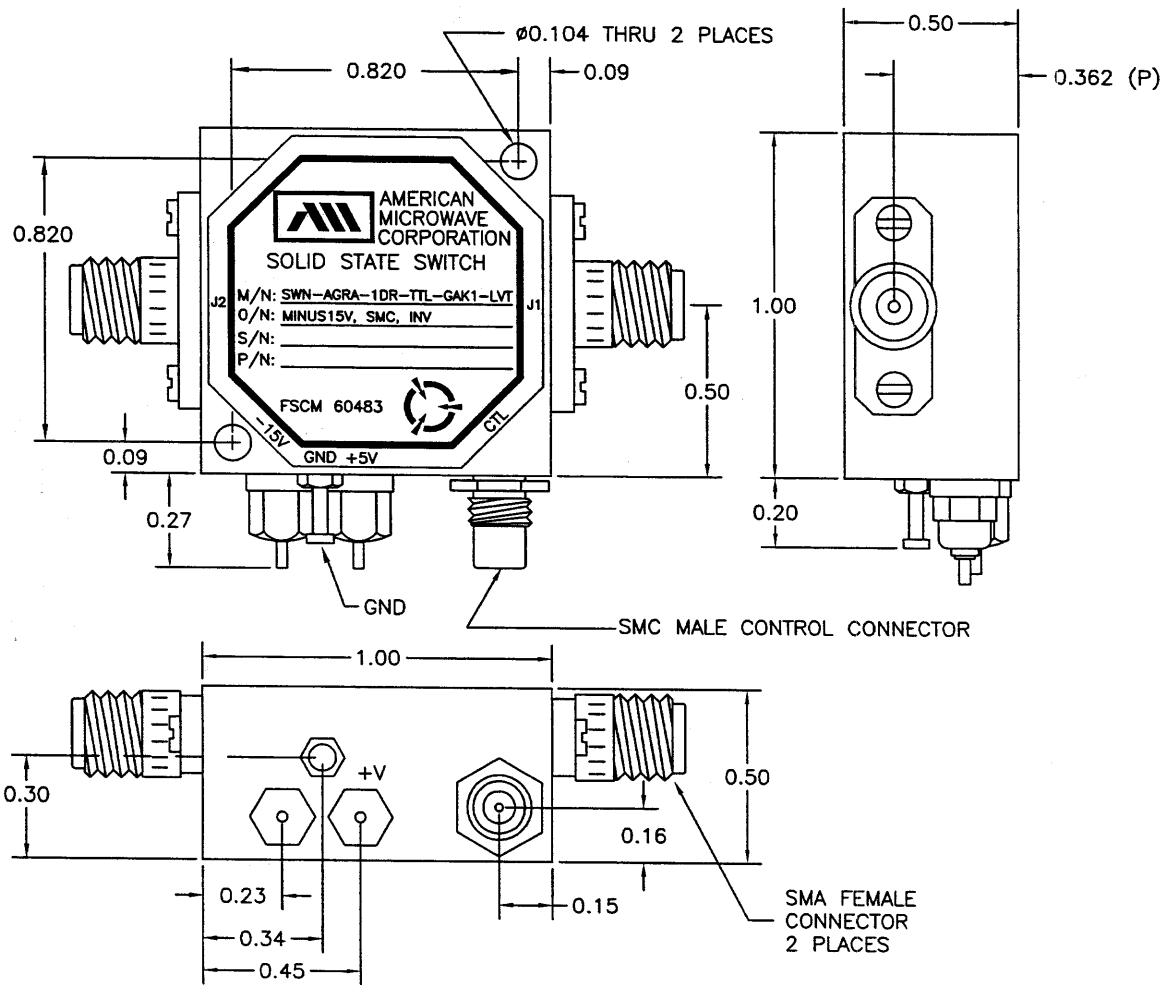


DESCRIPTION:

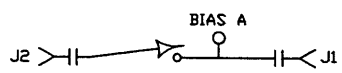
AMC MODEL SWN-AGRA-1DR-TTL-GAK1-LVT OPT. MINUS15V, SMC, INV IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, INVERTED LOGIC AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW VIDEO TRANSIENTS AND DESIGNED FOR THE 2 GHz TO 18 GHz BANDWIDTH.

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

MECHANICAL OUTLINE



BLOCK DIAGRAM



ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 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

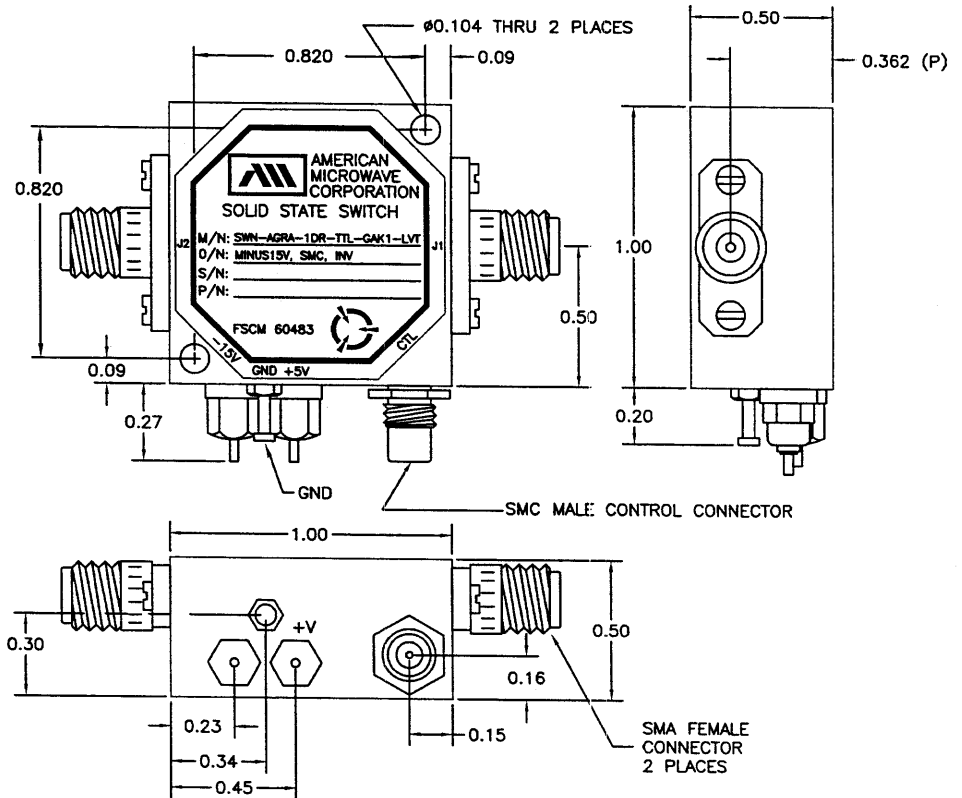
DESCRIPTION:

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.

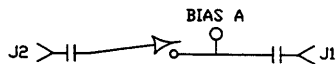
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE, JOB# 402025	4/21/04	ES

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)



BLOCK DIAGRAM



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 <i>ESB</i>		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 <i>JDJ</i>		8/17/04	SIZE A	FSCM NO. 60483
ISSUED <i>PA</i>		04/16/04	DWG NO. 100-6932	REV. -
SCALE N/S			SHEET 1 of 3	