

DESCRIPTION:

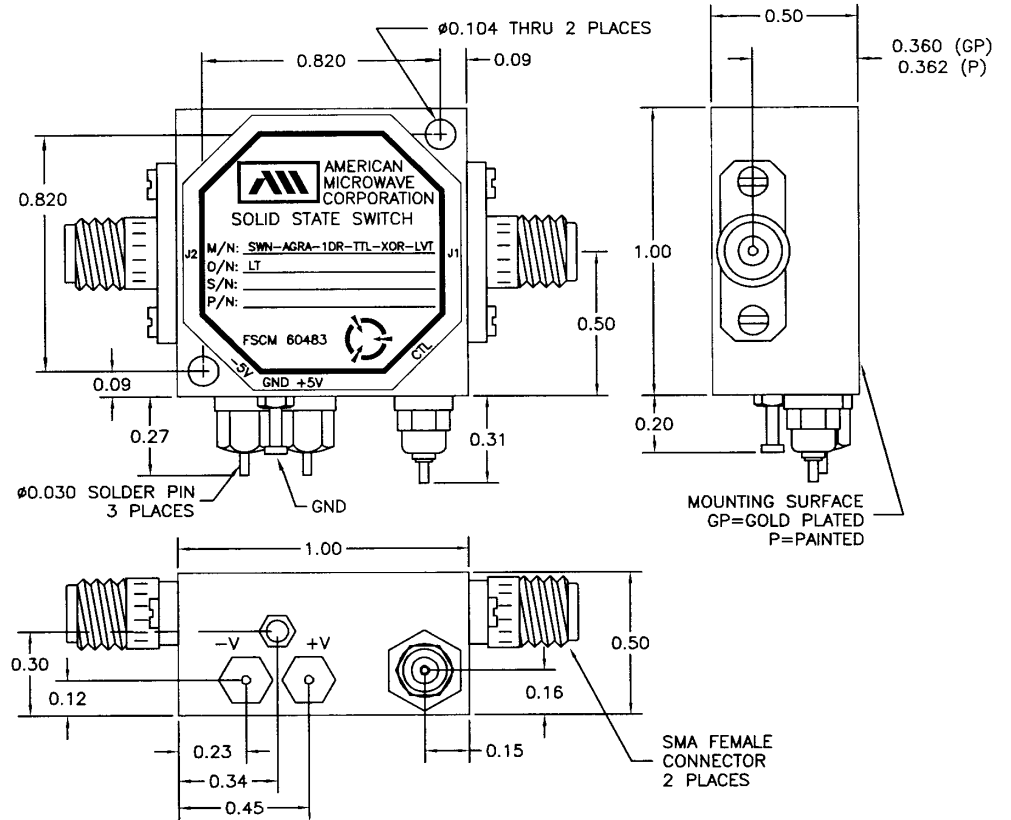
AMC MODEL SWN-AGRA-1DR-TTL-XOR-LVT OPTION LT IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW VIDEO TRANSIENTS AND DESIGNED FOR THE 2 GHz TO 18 GHz BANDWIDTH.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE, JOB# 906102E	10/29/03	

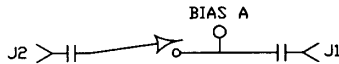
SPECIFICATIONS:

- FREQUENCY: 2 GHz TO 18 GHz
- INSERTION LOSS: 1.5 dB, VARIATION 1 dB
- ISOLATION: 60 dB MINIMUM >80 dB TYPICAL
- VSWR: 2.0:1
- SPEED: RISE: 3 nS MAXIMUM
FALL: 3 nS MAXIMUM
DELAY ON: 10 nS MAXIMUM
DELAY OFF: 10 nS MAXIMUM
- SETTLING TIME: ±0.1 dB OF FINAL RF IN 12 nS OR LESS
- POWER INPUT: +15 dBm CW MAXIMUM @ 2 GHz TO 18 GHz
- VIDEO TRANSIENT: 250 mV PEAK TO PEAK MAXIMUM
@ 300 MHz BANDWIDTH
- RF CONNECTORS: SMA FEMALE
- DC POWER SUPPLY: +5VDC @ 60 mA MAXIMUM
-5VDC @ 60 mA MAXIMUM
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- WEIGHT: 1.5 OUNCES TYPICAL
- SIZE: 1.00 (L) X 1.00 (W) X 0.50 (H)

MECHANICAL OUTLINE



BLOCK DIAGRAM



CONFIDENTIAL AND PROPRIETARY

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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN		10/29/03	TITLE PRODUCT FEATURE SWN-AGRA-1DR-TTL-XOR-LVT OPTION LT		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-6813
			SCALE	N/S	SHEET 1 of 3