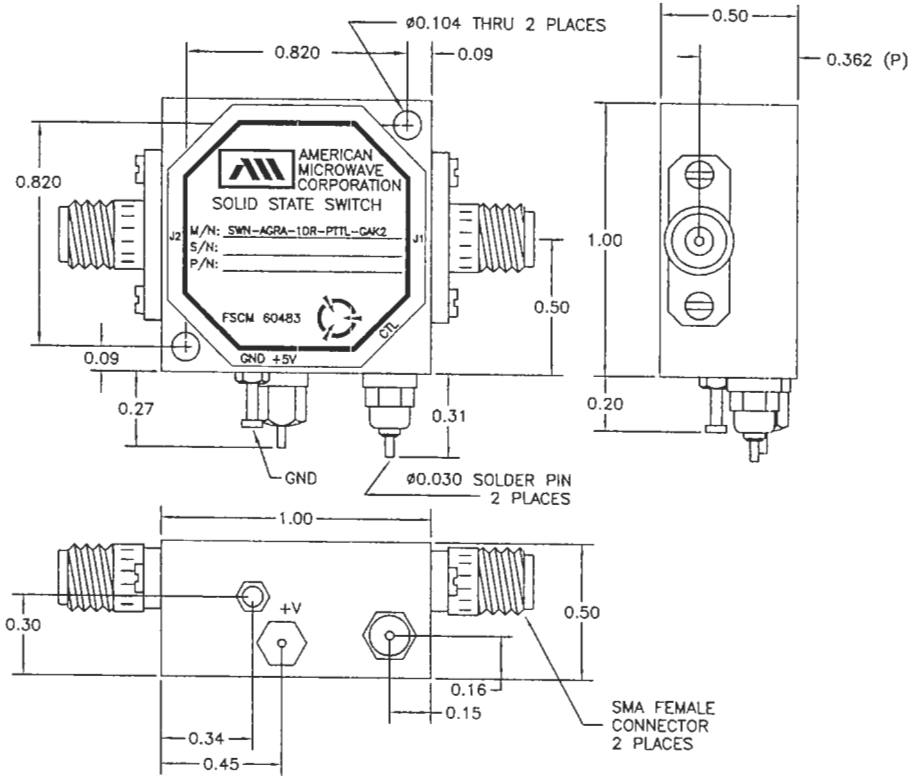
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE JOB# 407161	7/27/04	

DESCRIPTION:

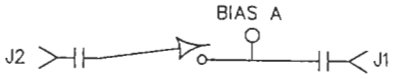
AMC MODEL SWN–AGRA–1DR–PTTL–GAK2 IS A SINGLE POLE SINGLE THROW, SINGLE SUPPLY, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR THE 2 GHz TO 18 GHz BANDWIDTH.

SPECIFICATIONS:

- FREQUENCY: . . . . . 2 GHz TO 18 GHz
- INSERTION LOSS: . . . . . 3.0 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
- CONTROL: . . . . . TTL LOGIC "0"=ON "1"=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 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
DRAWN JDJ	7/27/04
CHECKED PA	8/31/04
ISSUED	

TITLE: PRODUCT FEATURE
SWN–AGRA–1DR–PTTL–GAK2
2 – 18 GHz SINGLE POLE SINGLE THROW SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100–7056	–

SCALE N:S SHEET 1 OF 3