

DESCRIPTION:

AMC MODEL SWN-AKG-1DR-12X, OPTION: 0218, -12V, B03 IS A 200 MHz TO 18 GHz SINGLE POLE SINGLE THROW SWITCH, ISOLATION IS 70 dB MINIMUM, INSERTION LOSS IS 3.5 dB MAXIMUM. IT IS DESIGNED TO OPERATE WITH FAST SWITCHING SPEEDS.

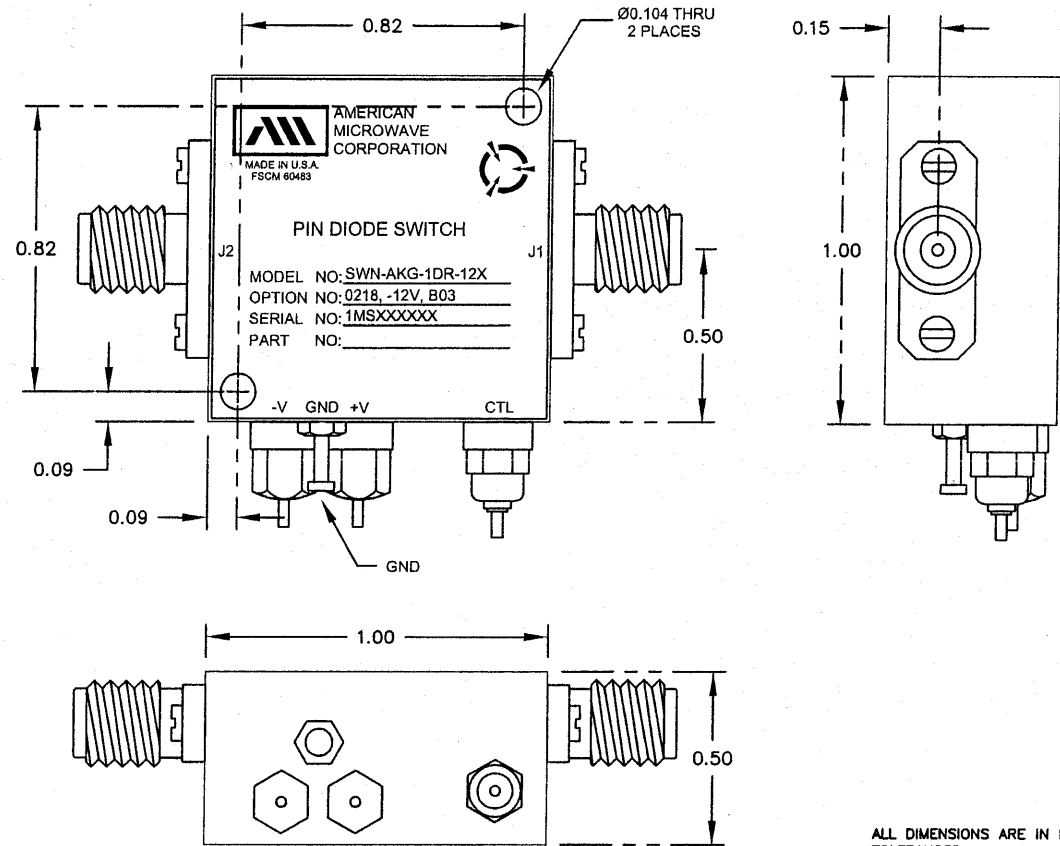
| REVISIONS | | | | |
|-----------|------|------------------|---------|-----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | - | ORIGINAL RELEASE | 4/22/04 | <i>RJ</i> |

SPECIFICATIONS:

- FREQUENCY: 0.2 - 18 GHz
- VSWR: 2.0:1 MAXIMUM
- ISOLATION: 70 dB MINIMUM
- INSERTION LOSS: 3.5 dB MAXIMUM
- RISE TIME: 10 nSec MAXIMUM
- FALL TIME: 10 nSec MAXIMUM
- DELAY ON: 30 nSec MAXIMUM
- DELAY OFF: 15 nSec MAXIMUM
- CONTROL: TTL LOGIC "0"=OFF
TTL LOGIC "1"=ON
- DC POWER SUPPLY +5 VDC @ +60 mA MAXIMUM
-12 VDC @ -60 mA MAXIMUM
- SIZE: 1.00"(L) X 1.00"(W) X 0.50"(H)

OPTIONS:

- 0218 0.2 - 18 GHz FREQUENCY RANGE
- -12V -12 V POWER SUPPLY
- B03 INVERSE LOGIC



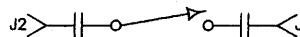
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

BLOCK DIAGRAM



AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
FREDERICK, MARYLAND 21704 USA
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ISO 9001:2000 CERTIFIED



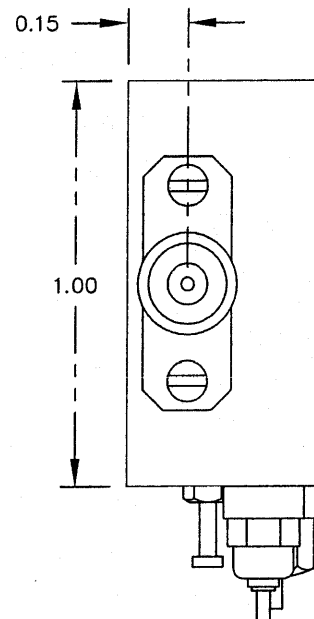
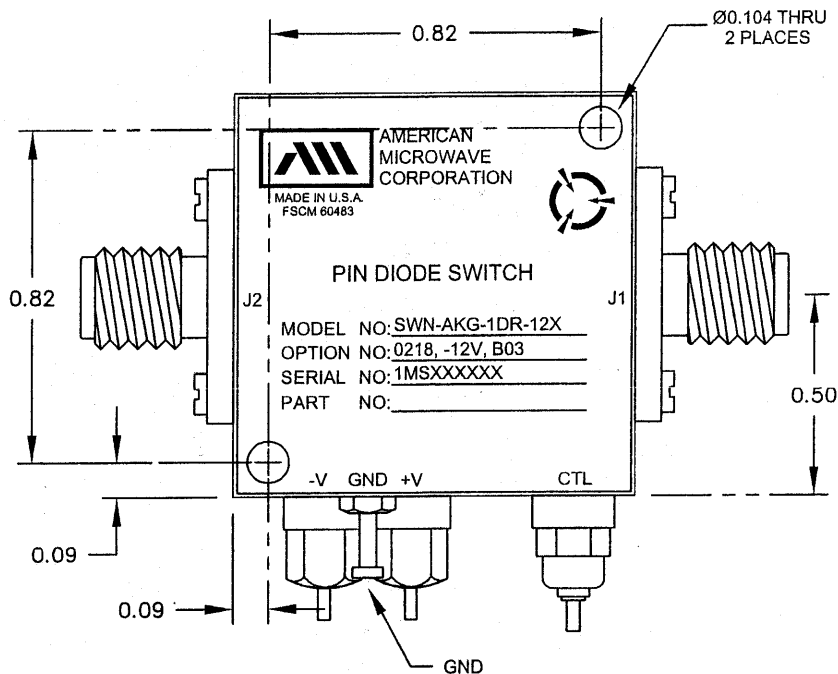
| APPROVALS | | DATE | TITLE | | | REV. |
|----------------------------|----------|----------|-------------------------|--|--------|------|
| DRAWN <i>J29</i> | | 4/22/04 | PRODUCT FEATURE | | | - |
| CHECKED <i>[Signature]</i> | | 5/4/04 | SWN-AKG-1DR-12X | | | - |
| ISSUED | | | OPTION: 0218, -12V, B03 | | | - |
| SIZE | FSCM NO. | DWG NO. | | | | |
| A | 60483 | 100-6969 | | | | |
| SCALE N:S | | SHEET | | | 1 OF 3 | |

DESCRIPTION:

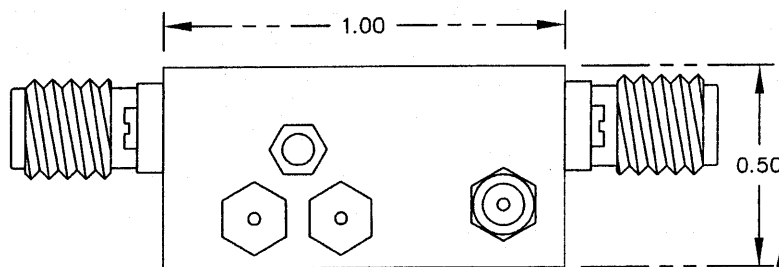
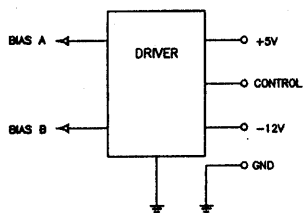
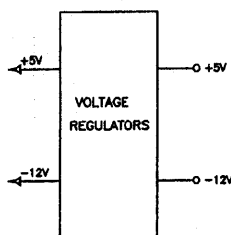
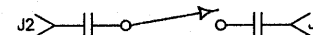
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| | | - | ORIGINAL RELEASE | JOB#403052NX 4/22/04 | <i>AM</i> |

MECHANICAL OUTLINE



BLOCK DIAGRAM



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

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|-----------|------------|----------|-------------------------|--------|--|------|
| DRAWN | <i>gdt</i> | 4/22/04 | MECHANICAL OUTLINE | | | - |
| CHECKED | <i>PA</i> | 5/16/04 | SWN-AKG-1DR-12X | | | - |
| ISSUED | | | OPTION: 0218, -12V, B03 | | | - |
| SIZE | FSCM NO. | DWG NO. | | | | |
| A | 60483 | 100-6969 | | | | |
| SCALE N:S | | SHEET | | 2 OF 3 | | |