

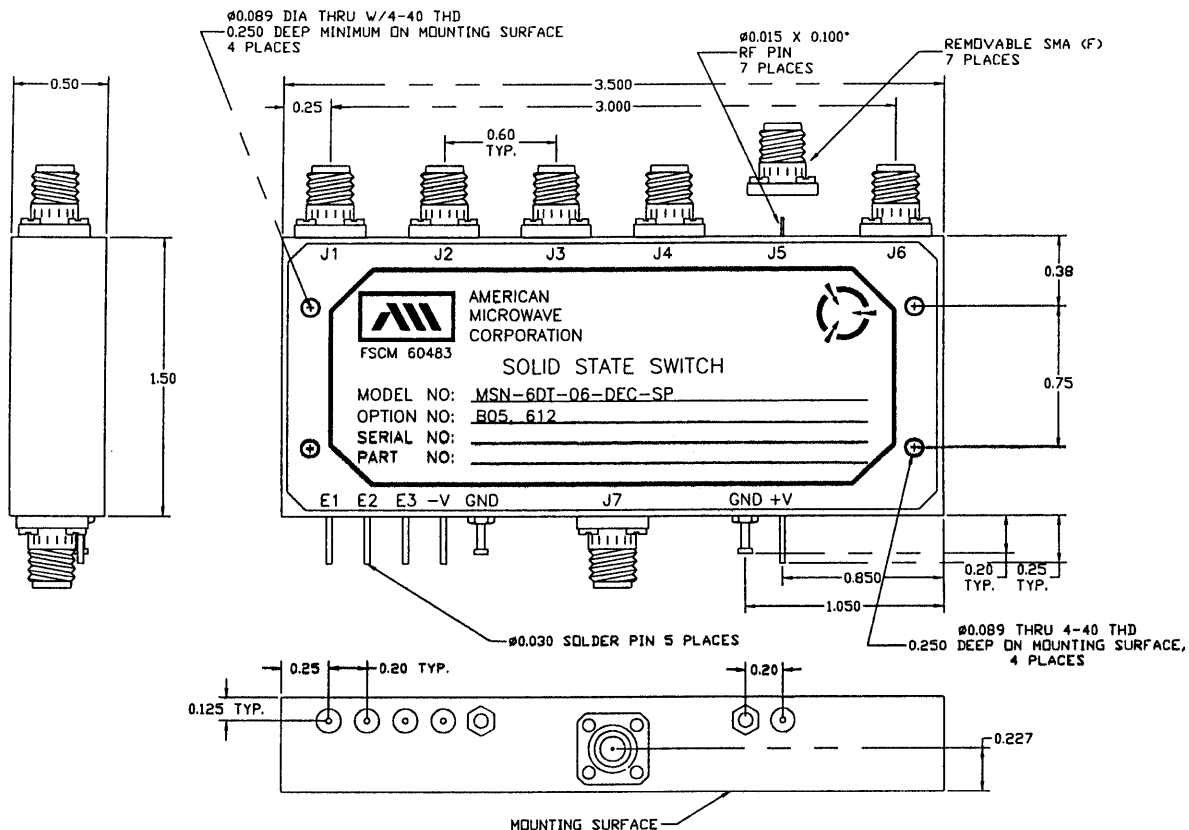
DESCRIPTION:

AMC MODEL MSN-6DT-06-DEC-SP OPTION 612, B05 IS A HIGH SPEED, SINGLE POLE SIX THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH VERY HIGH ISOLATION, LOW INSERTION LOSS AND WITH INTEGRAL TTL DRIVER, OPTIMIZED FOR THE 6 TO 12 GHz BANDWIDTH.

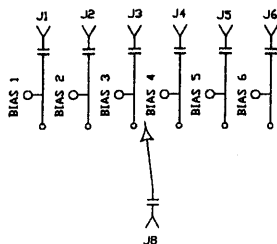
| REVISIONS | | | | |
|-----------|------|------------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | - | ORIGINAL JOB 003059E-1 | 06/14/00 | |

SPECIFICATIONS:

- FREQUENCY: 6 GHz TO 12 GHz
- INSERTION LOSS: 2.0db TYP., 2.5dB MAX.
- ISOLATION: 6 GHz TO 12 GHz: 40dB MIN
- VSWR: ABSORPTIVE IN/OUT: 2.0:1
ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: TURNON/TURNOFF 20ns TYP, 30ns MAX
- CONTROL CONNECTORS: SOLDER PINS
- POWER INPUT: +10 dBm (HIGH SPEED)
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5V @ 300mA MAX.
-5V @ 100mA MAX.
- RF CONNECTORS: SMA FEMALE
- SIZE: 1.50 (L) X 3.50 (W) X 0.50 (H)
- WEIGHT: 5.5 OUNCES TYPICAL



BLOCK DIAGRAM



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- 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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| | | | | |
|-----------|------------|---|----------|----------|
| PART NO. | | AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND | | |
| APPROVALS | DATE | TITLE | | |
| WZES | 06/14/00 | PRODUCT FEATURE | | |
| DRAWN | | MSN-6DT-06-DEC-SP | | |
| CHECKED | 2/13/01 | OPTIONS: B05, 612 | | |
| ISSUED | WP 2/13/01 | SIZE | FSCM NO. | DWG NO. |
| | | A | 60483 | 100-5536 |
| | | SCALE | SHEET | |
| | | 3:1 | 1 of 3 | |