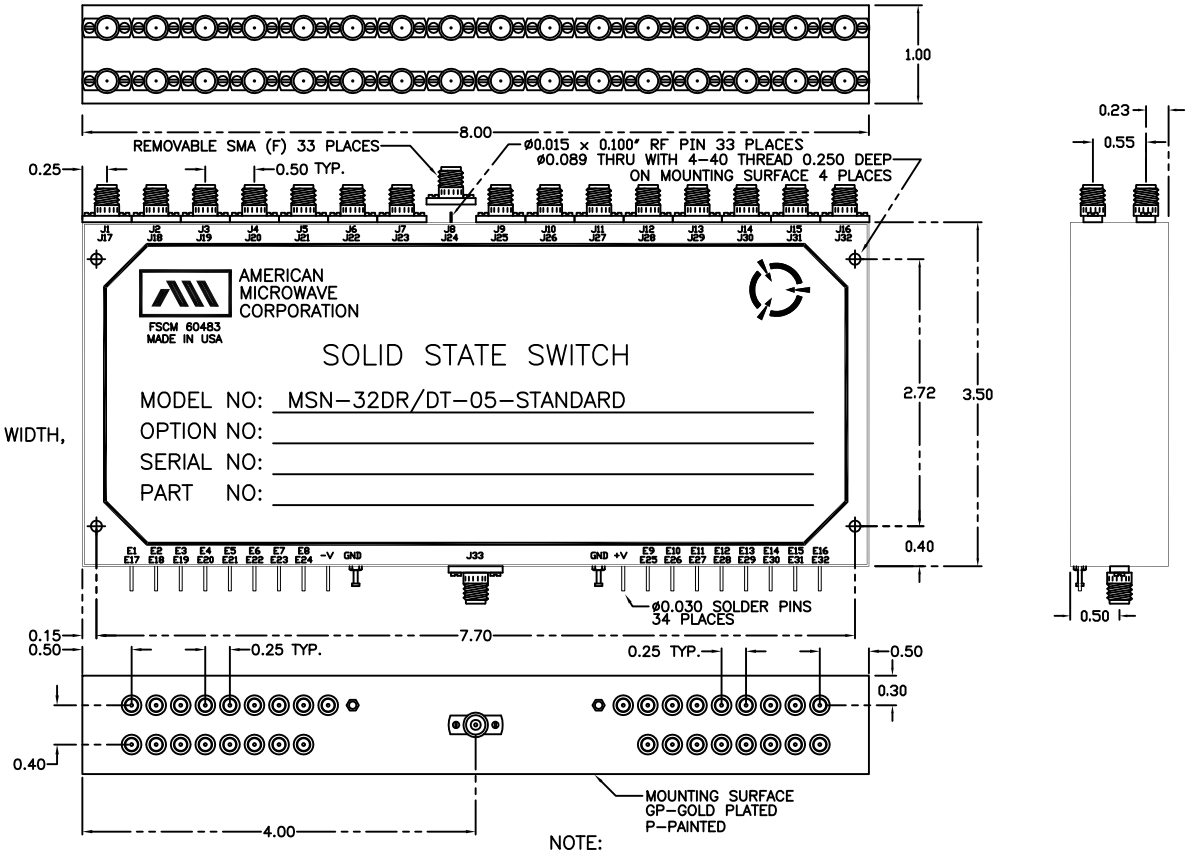
| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A | ORIGINAL RELEASE | 5/20/97 | |
| | B | SEE ECR# 09-025 | 6/3/09 | |

## SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 7.0db
  ABSORPTIVE: 7.5db
- ISOLATION: 0.5 GHz TO 18 GHz: 60db
- VSWR: REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: RISE: 15ns MAX.
  FALL: 15ns MAX.
  DELAY ON: 150ns MAX.
  DELAY OFF: 150ns MAX.
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5V @ 1.75 A MAX.
  −5V @ 200mA MAX.(RELECTIVE)
  250mA MAX.(ABSORPTIVE/NON-REFLECTIVE)

## OPTIONS:

| | |
|---|---|
| DEC-MP | 5 BIT DECODER WITH MULTIPIN |
| DEC-SP | 5 BIT DECODER WITH SOLDER PIN |
| MP-IND | INDEPENDENT CONTROL WITH MULTIPIN |
| B01 | −12V POWER SUPPLIES |
| B02 | −15V POWER SUPPLIES |
| B03 | REVERSE LOGIC "1"=ON "0"=OFF |
| B04 | DRIVERLESS, CURRENT CONTROLLED |
| B05 | HIGH SPEED, TURNON/TURNOFF 25 nsec MAXIMUM WHEN APPLICABLE |
| B06 | HIGH POWER − SPECIFY CW POWER, PEAK POWER, PULSE WIDTH, DUTY CYCLE, RF FREQUENCY AND BANDWIDTH |
| B08 | LOW VIDEO TRANSIENTS − SPECIFY VIDEO BANDWIDTH |
| B10 | HIGHER ISOLATION VERSION (SPECIFY) |




NOTE:
DR=WITH DRIVER, REFLECTIVE
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: −40°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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

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

| PART NO. | |
|---|---|
| APPROVALS | DATE |
| DRAWN WYP | 5/20/97 |
| CHECKED | |
| ISSUED | |

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE
OUTLINE DRAWING
MSN-32DR/DT-05-STANDARD
REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE
SOLID STATE SWITCH

| SIZE | FSCM NO. | DWG NO. | REV. |
|---|---|---|---|
| A | 60483 | 100-4059-1 | B |

SCALE N/S SHEET 1 of 1