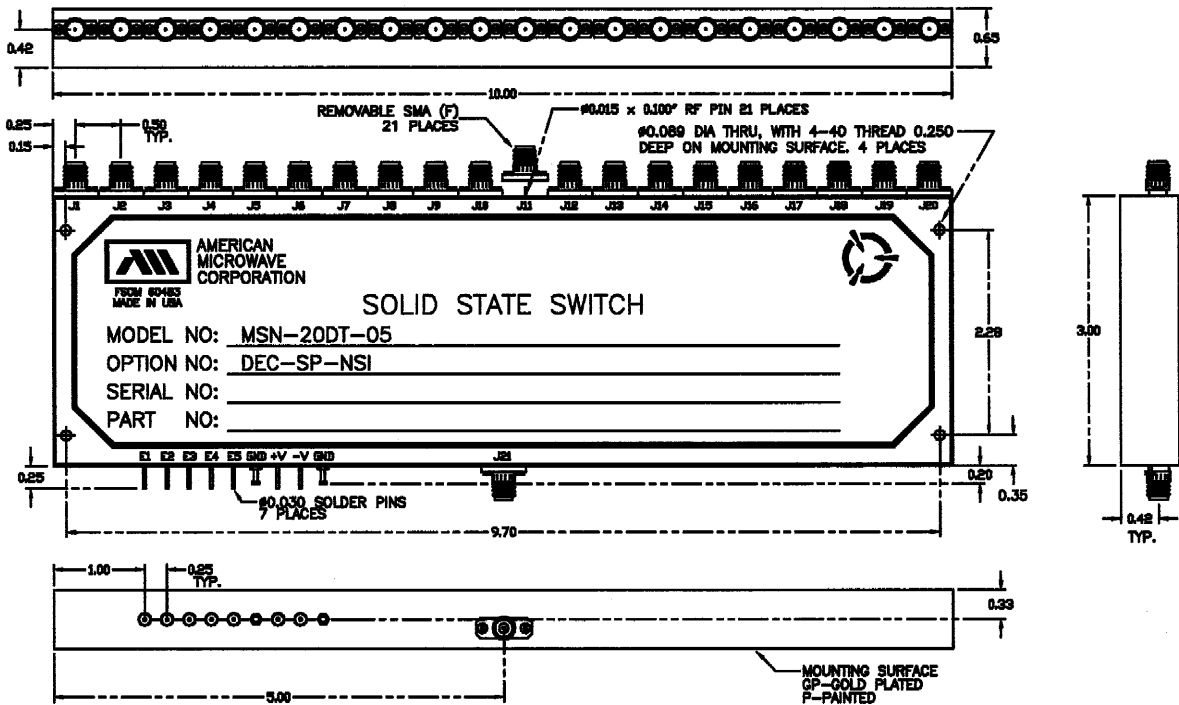


SPECIFICATIONS:

- FREQUENCY: 20% \oplus X BAND (9-11 GHz)
- INSERTION LOSS: 7.5db
 Δ INSERTION PHASE: .. 1' - 2'
 Δ INSERTION LOSS: ... 0.1 - 0.2 dB
- ISOLATION: 70db
- VSWR: ABSORPTIVE IN/OUT: 2.0:1
 ABSORPTIVE OUT/OFF: 2.0:1
- SWITCH RATE: 5 KHz
- SPEED: (WITHIN 0.1dB & 1' OF STEADY STATE)
 RISE: 10ns TYPICAL, 15ns MAX.
 FALL: 10ns TYPICAL, 15ns MAX.
 DELAY ON: 75ns TYPICAL, 150ns MAX.
 DELAY OFF: 75ns TYPICAL, 150ns MAX.
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 μ sec
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5V \oplus 1 AMP MAX.
 -5V \oplus 250mA MAX.

| REVISIONS | | | | |
|-----------|------|------------------|---------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | - | ORIGINAL RELEASE | 7/25/98 | |



NOTE:

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

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 \pm 0.020
 X.XXX \pm 0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| | | | |
|---------------------|---------|---|------------|
| PART NO. | | AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND | |
| APPROVALS | DATE | TITLE | |
| DRAWN <i>WSP</i> | 7/25/98 | MSN-20DT-05-DEC-SP-NSI NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH | |
| CHECKED | | SIZE | REV. |
| ISSUED | | A | - |
| | | FIG. NO. | DWG. NO. |
| | | 60483 | 100-4459-5 |
| | | SCALE | SHEET |
| | | N/S | 1 of 1 |