

DESCRIPTION

AMC MODEL SWN-1140-6DR/DT-STANDARD IS A SINGLE POLE SIX THROW, REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH HIGH ISOLATION, LOW LOSS, HIGH SPEED, AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR BROAD BAND OPERATIONS.

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: . . . REFLECTIVE: 3.5db
ABSORPTIVE: 4.25db
- 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: 100ns MAX.
DELAY OFF: 100ns 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 @ 300 mA MAX.
-5V @ 75mA MAX.(REFLECTIVE)
100mA MAX.(ABSORPTIVE/NON-REFLECTIVE)
- SIZE: 1.25" (L) x 1.25" (W) x 0.40" (H)

OPTIONS:

- DEC-SP 3 BIT DECODER WITH SOLDER PIN
- B01 -12V POWER SUPPLIES
- B02 -15V POWER SUPPLIES
- B03 REVERSE LOGIC "1"=ON "0"=OFF
- B04 DRIVERLESS, CURRENT CONTROLLED
- B05 HIGH SPEED, TURNON/TURNOFF 20 nsec MAXIMUM
WHEN APPLICABLE OR OPTION HS
- 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)

ENVIRONMENTAL RATINGS:

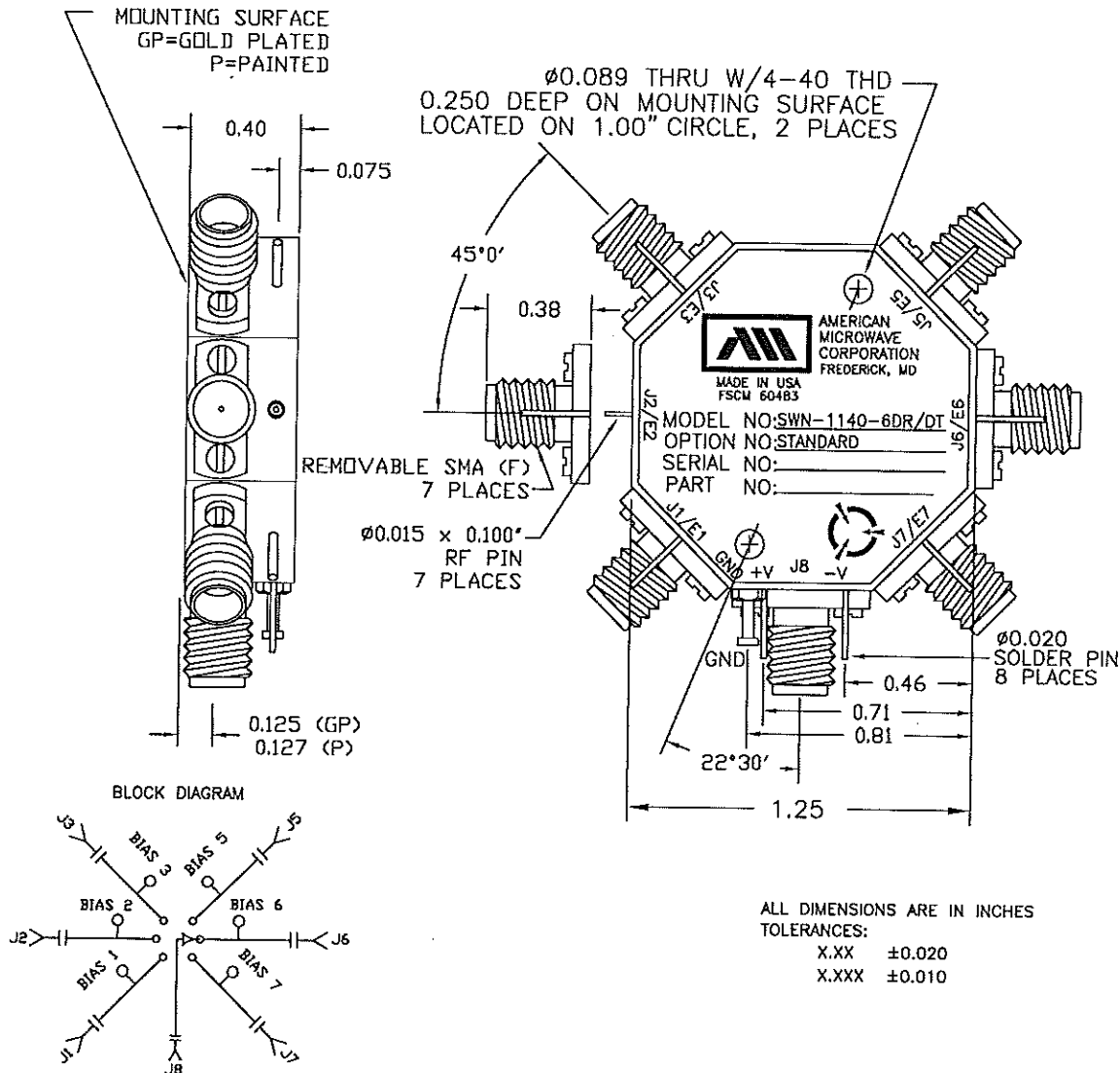
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: . . . MIL-STD-202F, METHOD 107D COND. A

NOTE: 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.

NOTE:

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

| REVISIONS | | | | |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | - | ORIGINAL RELEASE | 08/04/00 | |
| B | | SEE ECR# 09-025 | 6/9/09 | LA |



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

| | | | |
|----------------|----------|--|-------------------|
| CONTRACT NO. | | AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND | |
| APPROVALS | DATE | TITLE PRODUCT FEATURE | |
| DRAWN WJCS | 08/04/00 | SWN-1140-6DR/DT-STANDARD | |
| CHECKED LKS | 6/10/09 | REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE RADIAL SOLID STATE SWITCH | |
| ISSUED | | SIZE A | FSCM NO. 60483 |
| | | DWG NO. 100-4169-1 | REV. B |
| SCALE N/S | | SHEET 1 of 3 | |