

## DESCRIPTION

PMI MODEL GMTA-1003 IS A THRESHOLD DETECTOR DESIGNED TO OPERATE OVER THE FREQUENCY RANGE OF 8-18GHz, AND HAS A FIXED THRESHOLD LEVEL OF -42dBm

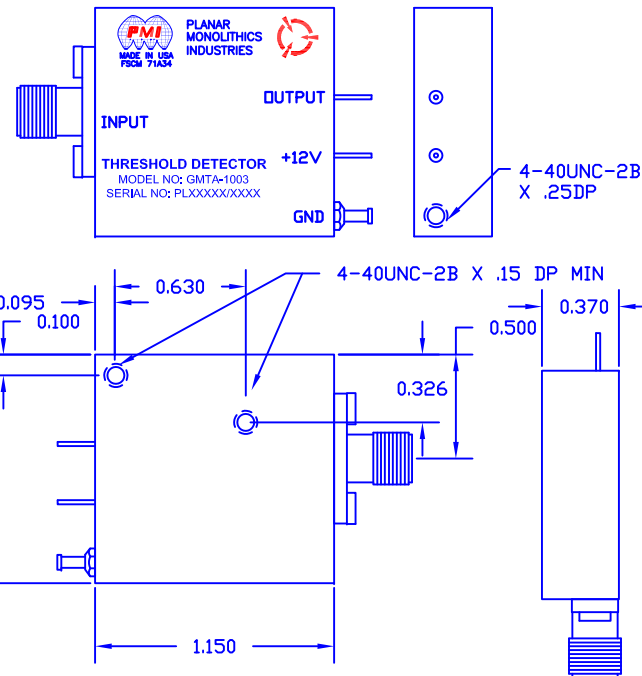
## SPECIFICATIONS

- FREQUENCY RANGE: 8-18GHz
- THRESHOLD STABILITY:  $\pm 3.0$ dB OVER FREQ & TEMP
- THRESHOLD LEVEL: -42dBm
- VSWR: 2.5:1
- MAX POWER INPUT: +10dBm
- DETECTED OUTPUT: TTL
- RESPONSE TIME 90% RF TO TTL 1: 100uS
- DC SUPPLY: +12VDC @ 200mA MAX
- SIZE: (L) 1.15" X (W) 1.10" X (H) 0.37"
- FINISH: ELECTROLESS NICKEL PLATE 0.0005 TO 0.0007 THICK PER AMS2404

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -0°C TO + 85°C (OPERATING)  
-62°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  
NOTE: MARKING PER MIL-STD-130 APPROX AS SHOWN



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



| APPROVALS            |  | DATE   | TITLE           |                   |                      |            |
|----------------------|--|--------|-----------------|-------------------|----------------------|------------|
| DRAWN<br>CAMERON N   |  | 1-3-07 | PRODUCT FEATURE |                   |                      |            |
| CHECKED<br>CAMERON N |  | 1-3-07 | SIZE<br>A       | FSCM NO.<br>71A34 | DWG NO.<br>DWG000073 | REV.<br>A1 |
| ISSUED               |  |        | SCALE N:S       |                   | SHEET 1 OF 1         |            |