

## DESCRIPTION

PMI MODEL GMTA-1002 IS A THRESHOLD DETECTOR THAT OPERATES FROM 2GHz TO 18GHz. SEE FULL SPECIFICATIONS BELOW.

## SPECIFICATIONS

- FREQUENCY RANGE: \_\_\_\_\_ 2 GHz TO 18 GHz
- INPUT OPERATING RANGE: \_\_\_\_\_ -18 TO -23dBm (2-18 GHz)
- INPUT VSWR: \_\_\_\_\_ 2.5:1 MAX
- THRESHOLD LEVEL: \_\_\_\_\_ -23dBm MIN
- THRESHOLD SETTING STABILITY: \_\_\_\_\_  $\pm 3.0$ dB (OVER TEMP AND FREQUENCY)
- MAXIMUM INPUT POWER: \_\_\_\_\_ +10dBm (WITHOUT DAMAGE)
- DETECTED OUTPUT: \_\_\_\_\_ TLL HIGH (1) - ON  
TLL LOW (0) - OFF
- RESPONSE TIME: \_\_\_\_\_ ANY INPUT GREATER THAN 3dB  
100us @ 90% RF TO TTL (1)  
100us @ 10% RF TO TTL (0)
- DC SUPPLY: \_\_\_\_\_ +12VDC @ 50mA MAX
- WEIGHT: \_\_\_\_\_ 2.0oz MAX
- FINISH \_\_\_\_\_ NICKEL PLATED

## ENVIRONMENTAL RATINGS

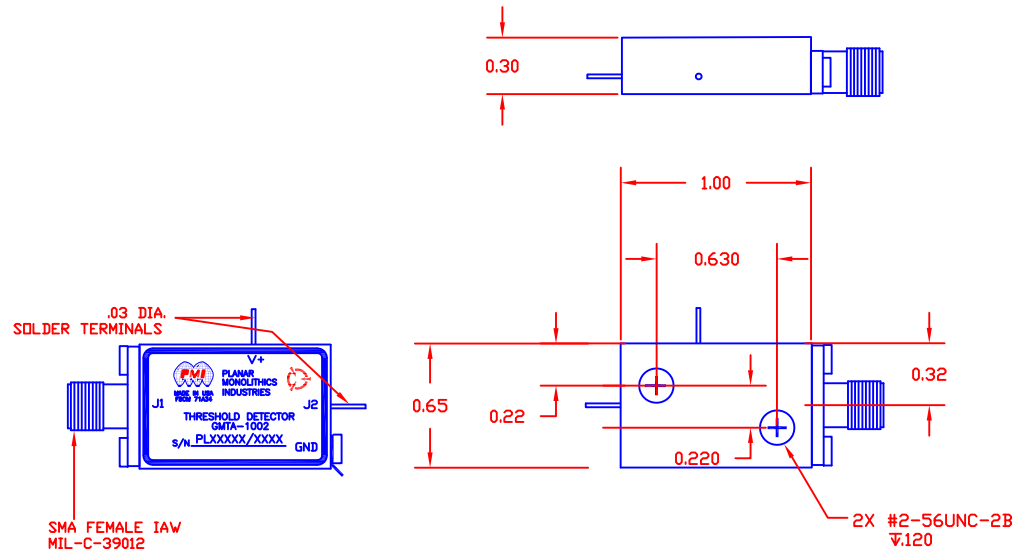
- TEMPERATURE: \_\_\_\_\_ -20°C TO +85°C (OPERATING)  
-62°C TO +85°C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: \_\_\_\_\_ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C COND. 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

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/12/13	

## MECHANICAL OUTLINE



- NOTES:  
1. FINISH: ELECTROLESS NICKEL PLATE  
.0005 TO .0007 THICK PER  
AMS 2404  
2. MARKING PER MIL-STD-130 APPROX  
AS SHOWN

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JGJ</i>		12/12/13	PRODUCT FEATURE GMTA-1002			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	71A34	DWG000072	A1
			SCALE	N:S		SHEET 1 OF 1