

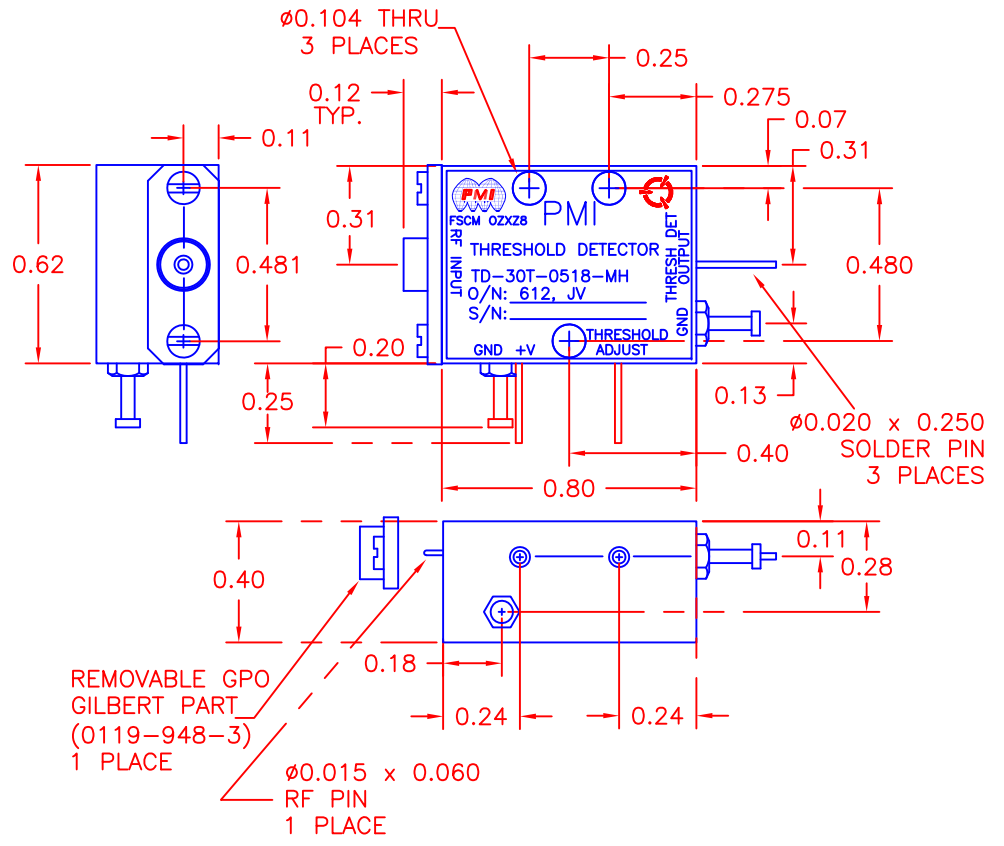
**DESCRIPTION:**

PMI MODEL NO TD-30T-0518-MH IS A HIGH SPEED THRESHOLD DETECTOR DESIGNED TO OPERATE OVER THE 0.5 TO 18.0 GHZ FREQUENCY RANGE, WITH A DYNAMIC RANGE OF -18 TO +5 dBm AND A TYPICAL VSWR OF 2.0:1 (2.5:1 MAXIMUM). THIS UNIT COMES IN A VERY SMALL SIZE WITH A FIELD REMOVABLE GPO CONNECTOR ON THE INPUT AND A SOLDER PIN ON THE OUTPUT.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/06/15	

**SPECIFICATIONS:**

- FREQUENCY: ..... 0.5 TO 18 GHz
- VSWR: ..... 2.5:1 MAXIMUM (2.0:1 TYPICAL)
- DYNAMIC RANGE: ..... -18 dBm TO +5 dBm MINIMUM
- INPUT FLATNESS: ..... ±2.0 dB MAXIMUM, (±1.0 dB TYPICAL)
- RESPONSE TIME: ..... 100 nSEC MAXIMUM (50 nS TYPICAL)
- OUTPUT ..... TTL
- POWER SUPPLY: ..... +7 V TO +15 V @ 100 mA MAXIMUM
- RF INPUT CONNECTOR: ..... REMOVABLE GPO
- OUTPUT CONNECTOR: ..... SOLDER PIN
- SIZE: ..... 0.80" x 0.62" x 0.40"
- WEIGHT: ..... 0.50 OUNCE



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: ..... -55°C TO +85°C (OPERATING)
- TEMPERATURE: ..... -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 ±0.020  
X.XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**CONFIDENTIAL AND PROPRIETARY**

PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN <i>E.M.F.</i>	08/06/15	PRODUCT FEATURE TD-30T-0518-MH		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	05XQ0	PRELIMINARY
		SCALE		SHEET 1 of 3
				REV. -