

DESCRIPTION:

PMI MODEL # TD-30T-0518-MH OPTIONS 612, JV IS A HIGH SPEED THRESHOLD DETECTOR DESIGNED TO OPERATE OVER THE 6 TO 12 GHz FREQUENCY RANGE, WITH AN ADJUSTABLE THRESHOLD LEVEL OF -18 TO +5 dBm, AND TYPICAL VSWR OF 2.0:1 (2.5:1 MAXIMUM). THIS UNIT COMES IN A VERY SMALL SIZE WITH FIELD REMOVABLE GPO CONNECTOR ON THE INPUT AND SOLDER PIN ON THE OUTPUT.

SPECIFICATIONS:

- FREQUENCY: 6 GHz TO 12 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: 50 nSEC MAXIMUM
- OUTPUT: TTL
- POWER SUPPLY: +12V @ 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

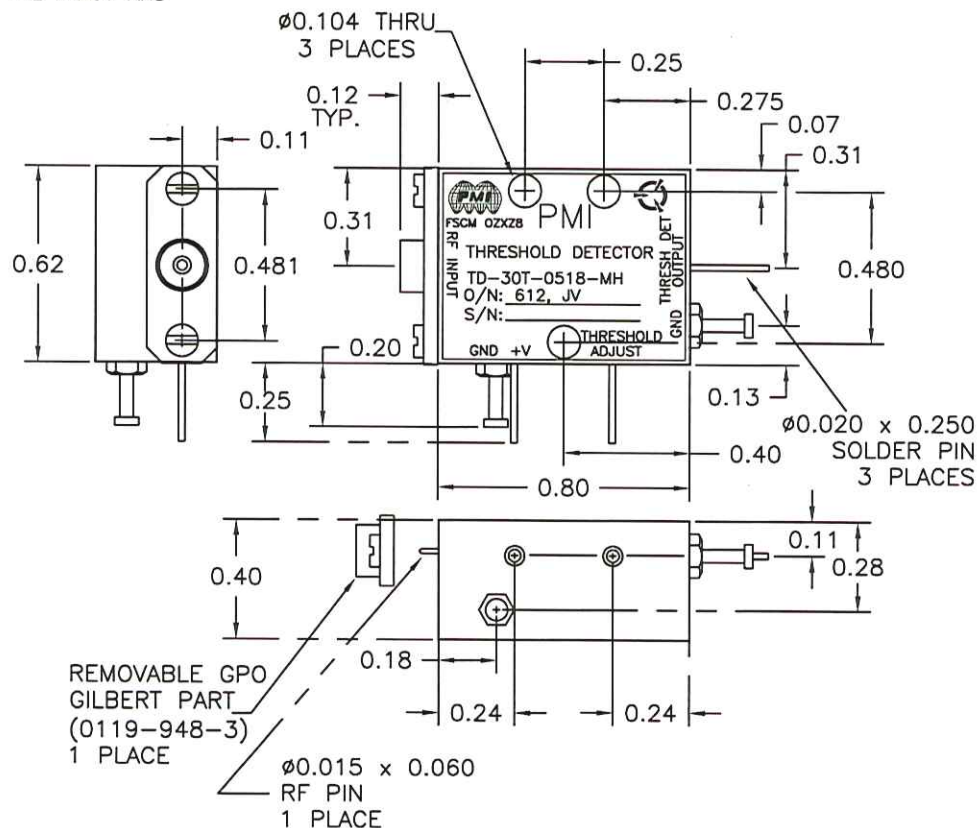
OPTIONS:

- 612: 6 GHz TO 12 GHz
- JV: SPECIAL FOR JASON VENEMAN FOR LVTTL LOGIC OUTPUT, EPOXY SEALED

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



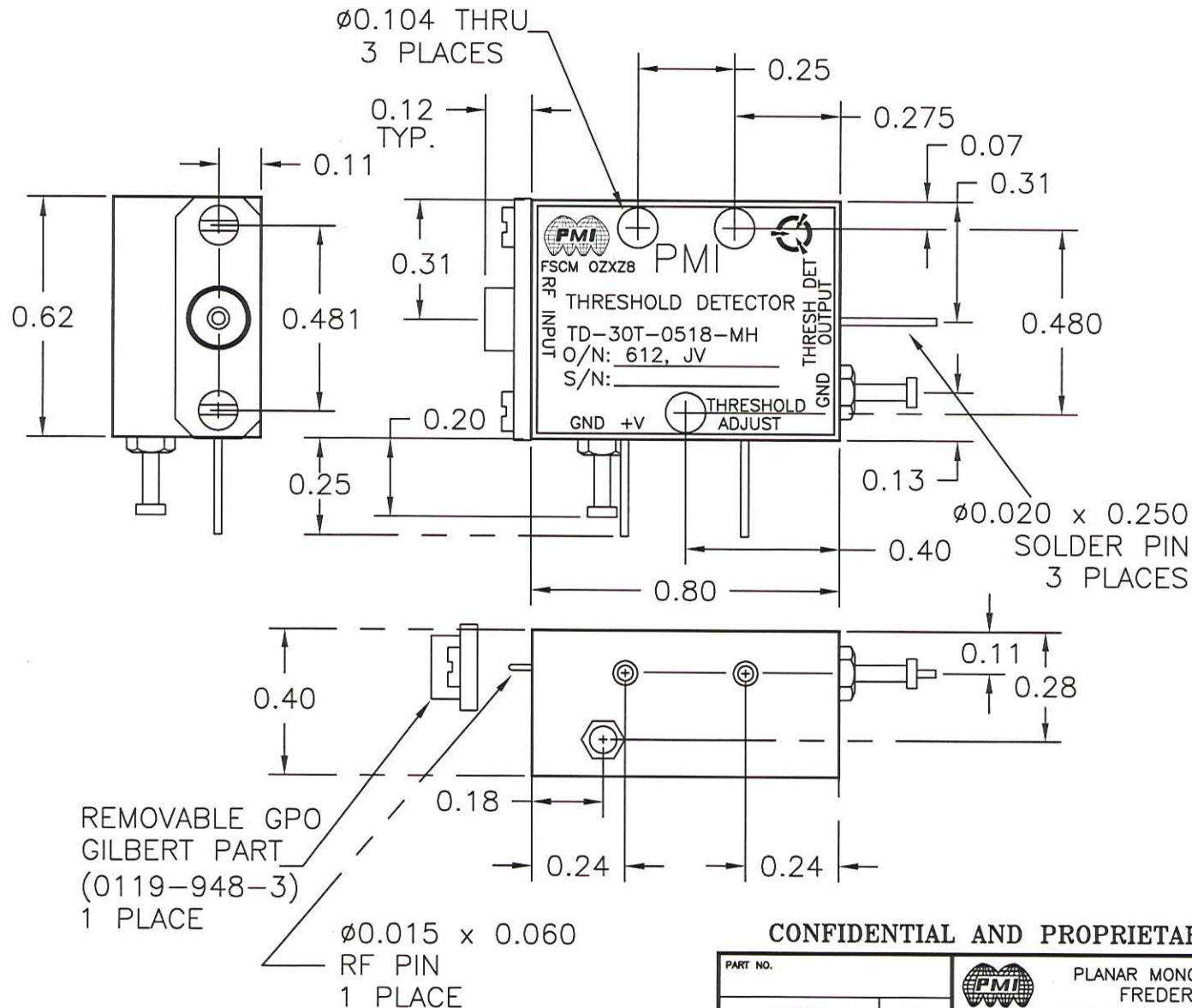
CONFIDENTIAL AND PROPRIETARY

PART NO.		APPROVALS		DATE		TITLE	
		DRAWN		4/18/07		PRODUCT FEATURE	
		CHECKED		4/18/07		TD-30T-0518-MH	
		ISSUED		4/18/07		OPTIONS: 612, JV	
SIZE	FSCM NO.	DWG NO.	REV.				
A	60483	100-T000-000	-				
SCALE		SHEET		1 of 3			

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REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	-	ORIGINAL RELEASE, SEE ECR: P07-009	04/18/07



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ±0.020
X.XXX ±0.010

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PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS		DATE	
DRAWN		DATE	
CHECKED		DATE	
ISSUED		DATE	
SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-T000-000	-
SCALE		SHEET 2 of 3	