

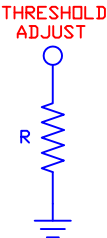
DESCRIPTION:

PMI MODEL No. TD-30T-0518-MH-SMA IS A HIGH SPEED THRESHOLD DETECTOR DESIGNED TO OPERATE OVER THE 0.5 TO 18 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 SMA CONNECTORS ON THE INPUT AND OUTPUT.

SPECIFICATIONS:

- FREQUENCY:
TD-30T-0518-MH: 0.5 GHz TO 18 GHz MINIMUM
- 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 nSEC TYPICAL)
- OUTPUT: TTL
- POWER SUPPLY: +7V TO +15V @ 100 mA MAXIMUM
- RF INPUT CONNECTOR: REMOVABLE SMA-F
- OUTPUT CONNECTOR: REMOVABLE SMA-F
- SIZE: 0.80" x 0.62" x 0.40"
- WEIGHT: 0.50 OUNCE
- FINISH: PAINTED GRAY

NOTE: THE THRESHOLD ADJUST PIN REQUIRES AN EXTERNAL RESISTOR TO GROUND. RESISTOR VALUES FOR -18 dBm AND 0 dBm WILL BE SUPPLIED WITH THE FINAL DATASHEET.



ENVIRONMENTAL RATINGS:

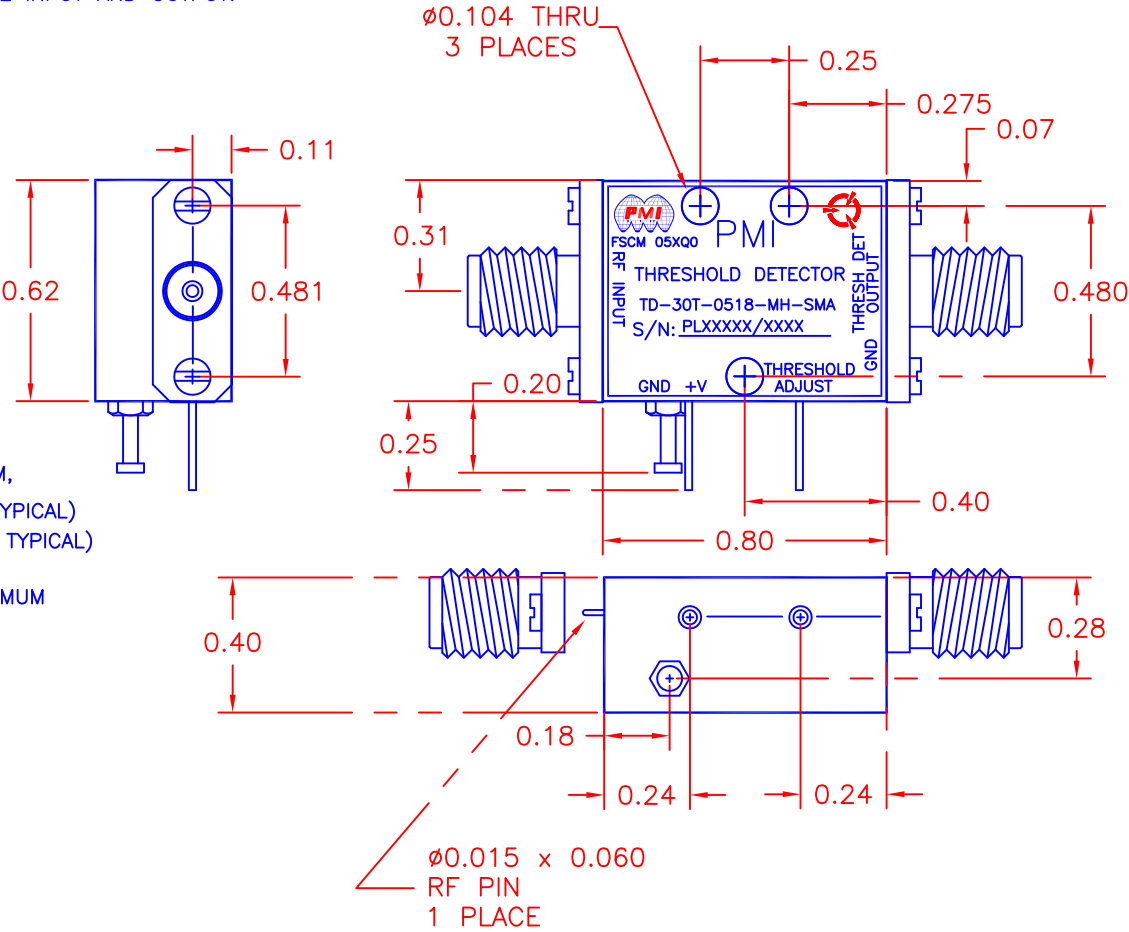
- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/14/10	
	A2	ECN # 13-0083	7/11/13	



PMI CONFIDENTIAL AND PROPRIETARY

PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND		
APPROVALS		TITLE		
DATE		PRODUCT FEATURE		
DRAWN		TD-30T-0518-MH-SMA		
CHECKED				
ISSUED				
SIZE		FSCM NO.	DWG NO.	REV.
A		05XQ0	27012641	A2
SCALE		SHEET 1 of 1		