

DESCRIPTION:

PMI MODEL NUMBER TD-16G40G-20-292F IS A HIGH SPEED THRESHOLD DETECTOR THAT OPERATES OVER THE 16.0 TO 40.0 GHz FREQUENCY RANGE. THIS MODEL HAS AN INPUT OPERATING RANGE OF -20 TO 0 dBm WITH A RESPONSE TIME OF 100 ns MAXIMUM.

SPECIFICATIONS:

- FREQUENCY: _____ 16.0 TO 40.0 GHz
- INPUT OPERATING RANGE: _____ -20 TO 0 dBm
- MAXIMUM INPUT POWER: _____ +17 dBm CW
- INPUT VSWR: _____ 2.5:1 MAXIMUM
- RESPONSE TIME: _____ 100 ns MAXIMUM
- OUTPUT: _____ TTL
TTL="1" FOR RF GREATER THAN THRESHOLD
TTL="0" FOR RF LESS THAN THRESHOLD
- POWER SUPPLY: _____ +15V @ 65 mA MAXIMUM
- FINISH: _____ PAINTED BLUE

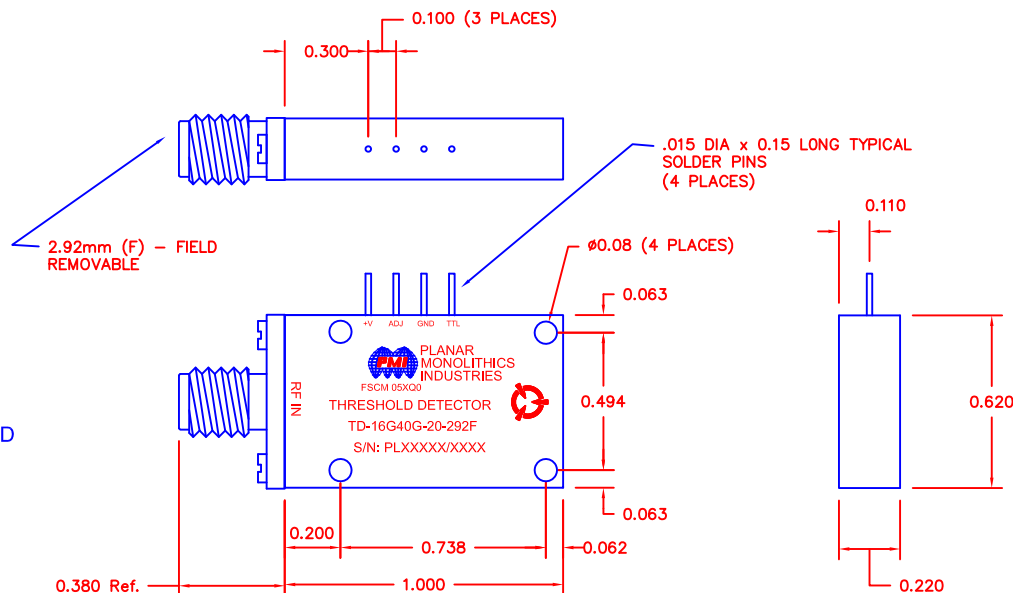
NOTE 1: THRESHOLD ADJUSTMENT IS MADE BY PLACING A RESISTOR BETWEEN ADJUST AND GROUND

ENVIRONMENTAL RATINGS:

- TEMPERATURE: _____ -20°C TO +55°C (OPERATING)
-55°C TO +100°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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/19/10	
	A2	ECN#14-0083	06/17/14	
	A3	ECN#14-0167	10/07/14	
	A4	ECN#17-0241	10/12/17	



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

APPROVALS		DATE		TITLE	
K.M.		4/19/10		PRODUCT FEATURE TD-16G40G-20-292F	
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27013186	A4		
SCALE	N:S	SHEET	1 OF 1		