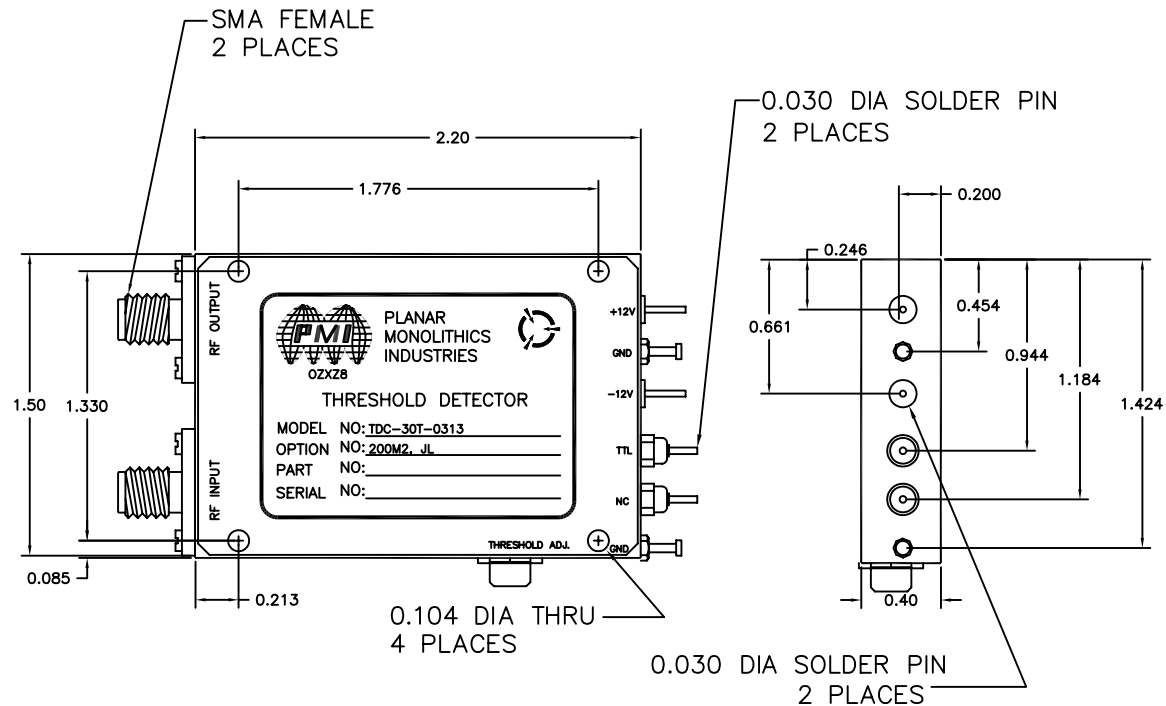


DESCRIPTION

PMI MODEL TDC-30T-0313 OPTION 200M2, JL IS AN ULTRA HIGH SPEED, 0.2 TO 2.0 GHz THRESHOLD DETECTOR WITH AN INPUT COUPLER.

SPECIFICATIONS

- FREQUENCY RANGE: 0.2 TO 2 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- VSWR: 2.0:1
- FREQUENCY FLATNESS: ± 1.0 dB TYP., ± 1.5 dB MAXIMUM
- THRESHOLD LEVEL: ADJUSTABLE
- THRESHOLD VARIATION: ± 0.5 dB TYP FOR ANY 1 GHz
- PROPAGATION DELAY: 12 nS MAX, 8 nS TYP.
- OUTPUT PULSE WIDTH WHEN INPUT:
 - 10dBm TO 0dBm: WITHIN 10nS OF INPUT PULSE WIDTH
 - 0dBm TO +10dBm: WITHIN 10nS OF INPUT PULSE WIDTH
 - 0dBm TO 20dBm: WITHIN 25nS OF INPUT PULSE WIDTH
 - 10dBm TO +20dBm: WITHIN 25nS OF INPUT PULSE WIDTH
- POWER
 - +V: +12VDC @ 100mA MAXIMUM
 - V: -12VDC @ 100mA MAXIMUM
- SIZE: 2.2" (L) x 1.5" (W) x 0.4" (H)
- WEIGHT: <3 OUNCES TYPICAL



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°C TO +85°C (OPERATING)
..... -65°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 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 ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# P601007	4/11/06	

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-G GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-631-1579 FAX: 301-662-2029
WEBSITE: www.planarmonolithicsindustries.com
E-MAIL: sales@planarmonolithics.com
ISO 9001:2000 CERTIFIED

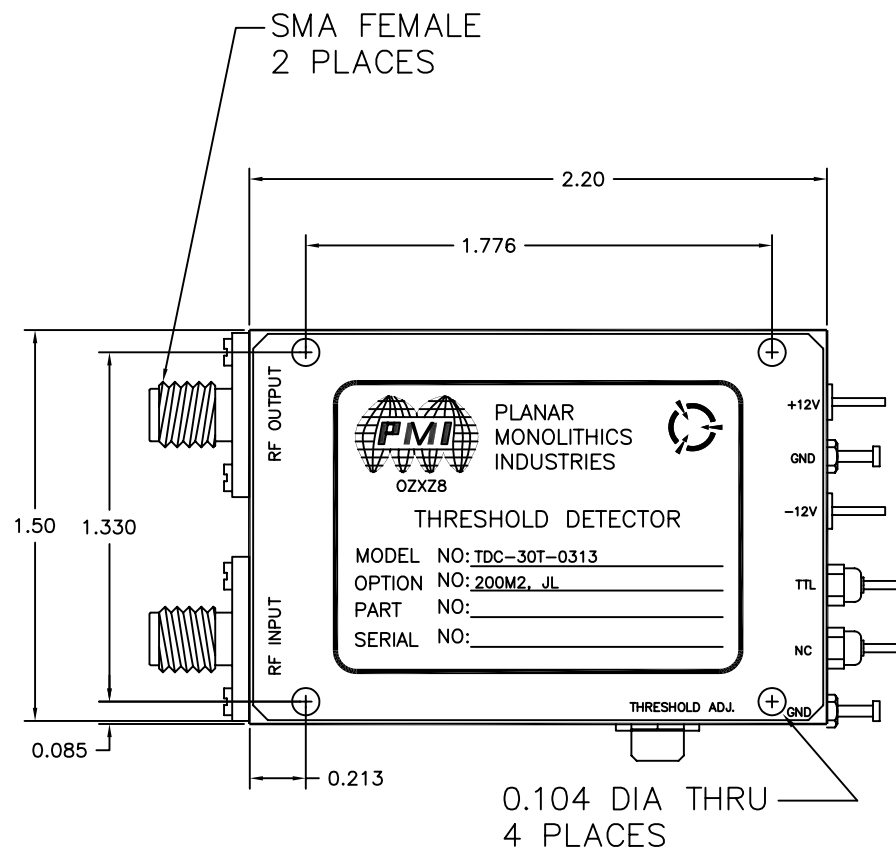


APPROVALS		DATE		TITLE	
DRAWN	878	4/11/06		PRODUCT FEATURE TDC-30T-0313 OPTION 200M2, JL 0.2 TO 2.0 GHz THRESHOLD DETECTOR	
CHECKED				SIZE	FSCM NO.
ISSUED				A	0ZXZ8
				DWG NO.	100-7637
				SCALE	N:S
				SHEET	1 OF 3

DESCRIPTION

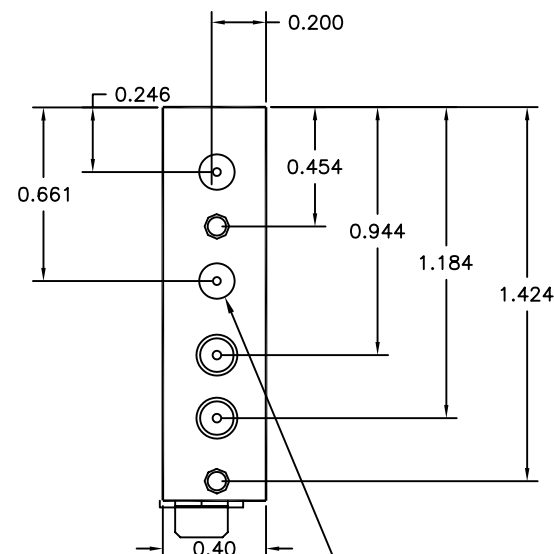
PMI MODEL TDC-30T-0313 OPTION 200M2, JL IS AN ULTRA HIGH SPEED, 0.2 TO 2.0 GHz THRESHOLD DETECTOR WITH AN INPUT COUPLER.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# P601007	4/11/06	



0.030 DIA SOLDER PIN
2 PLACES

MECHANICAL OUTLINE



0.030 DIA SOLDER PIN
2 PLACES

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

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APPROVALS		DATE		TITLE		SIZE		FSCM NO.		DWG NO.		REV.	
DRAWN		8/8		4/11/06		A		OZXXZ8		100-7637		-	
CHECKED													
ISSUED													
						SCALE		N:S		SHEET		2 OF 3	

MECHANICAL OUTLINE
TDC-30T-0313
OPTION 200M2, JL
0.2 TO 2.0 GHz THRESHOLD DETECTOR