

DESCRIPTION

PMI MODEL TD-30T-SHS-218-2G4G-PECL-OPT4G6G-ADJ IS A HIGH SPEED, LVPECL LOGIC OUTPUT THRESHOLD DETECTOR DESIGNED TO OPERATE FROM 4.0 GHz TO 6.0 GHz. THIS DETECTOR HAS A PROPAGATION DELAY OF 15 ns MAXIMUM.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/31/19	
	A2	ECN # 19-0111	4/22/19	

SPECIFICATIONS

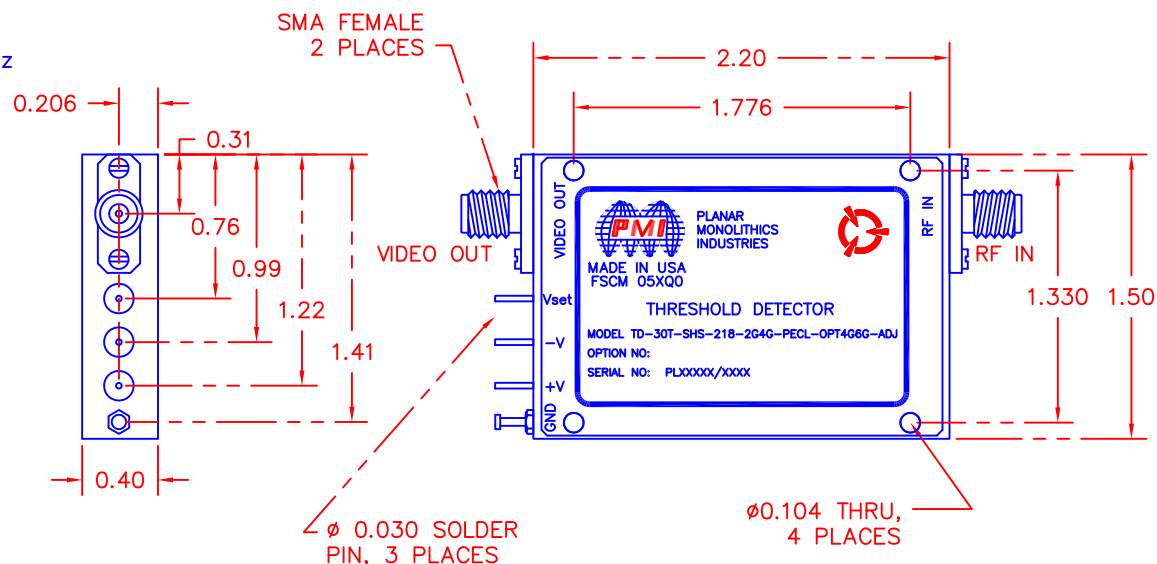
- FREQUENCY RANGE:..... 4.0 to 6.0 GHz
- VSWR:..... 3.0 : 1 MAXIMUM @ -20 dBm
- THRESHOLD VOLTAGE CONTROLLED:..... 0 TO 5 VDC
- MINIMUM SIGNAL LEVEL
FOR LOGIC 1:..... -20 dBm @ 4 GHz
- THRESHOLD VARIATION
OVER FREQUENCY
(ANY 1 GHz WINDOW):..... ± 0.5 dB
- MINIMUM SIGNAL LEVEL
FOR LOGIC 0:..... -25 dBm
- DYNAMIC RANGE:..... UP TO +10 dBm
- PROPAGATION DELAY..... 15 ns MAX
(FROM 50% OF AN INPUT
OF -20 dBm):
- OUTPUT LOGIC:..... LVPECL COMPATIBLE
- PROPAGATION DELAY..... 15 ns MAX
(FROM 50% OF AN INPUT
OF +10 dBm):
- DC POWER SUPPLY
 - +V:..... +15 VOLTS @ 100 mA MAX
 - V:..... -15 VOLTS @ 100 mA MAX

- SIZE:..... 2.2" x 1.50" x 0.40"
- WEIGHT:..... ≤ 3 OUNCES
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -55°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



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APPROVALS		DATE		TITLE	
DRAWN	<i>JMB</i>	1/31/19		PRODUCT FEATURE	
REDRAWN				TD-30T-SHS-218-2G4G-PECL-OPT4G6G-ADJ	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27036143	
SCALE		N:S		SHEET	
				1 OF 1	

NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX ± 0.020
X.XXX ± 0.010
3) WEIGHT: 2.75 OZ