

DESCRIPTION

PMI MODEL TD-30T-SHS-218-12G18G-PECL IS A HIGH SPEED, LVPECL LOGIC OUTPUT THRESHOLD DETECTOR DESIGNED TO OPERATE FROM 2.0 GHz TO 18.0 GHz. THIS DETECTOR HAS A PROPAGATION DELAY OF 15 ns MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE:..... 2 GHz TO 18 GHz
- VSWR:..... 3.0 : 1 MAXIMUM @ -20 dBm
- MINIMUM SIGNAL LEVEL
FOR LOGIC 1:..... -20 dBm @ 2 GHz
-17 dBm @ 18 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

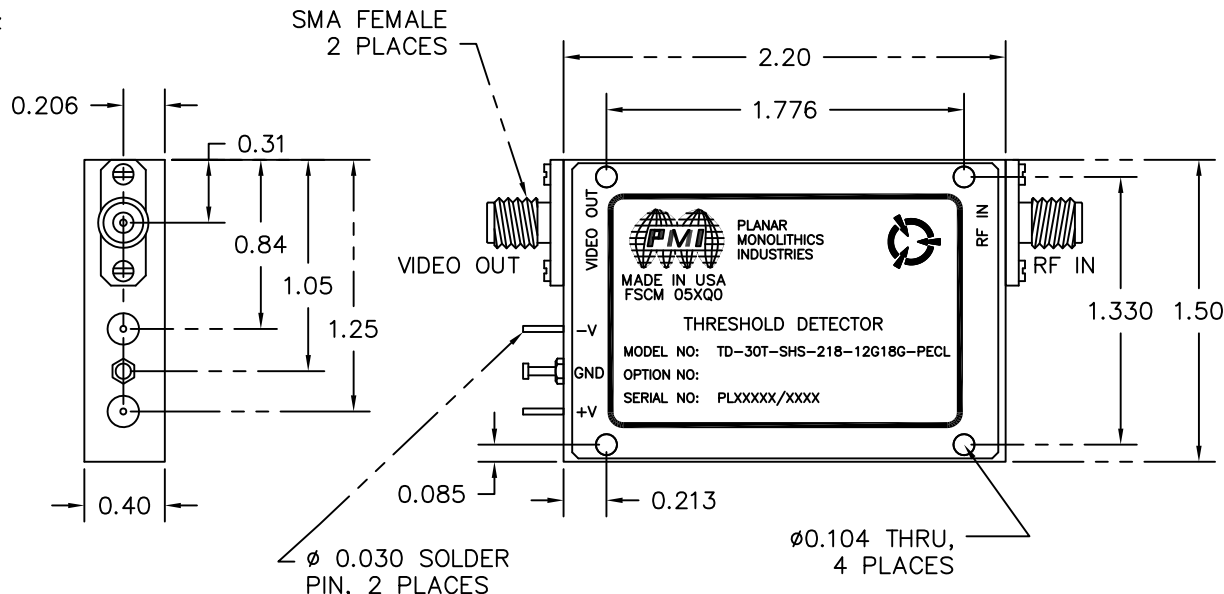
ENVIRONMENTAL RATINGS

- **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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	06/09/13	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		12/2/08		PRODUCT FEATURE	
REDRAWN				TD-30T-SHS-218-12G18G-PECL	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27019241	
SCALE		N:S		SHEET	
				1 OF 1	