

DESCRIPTION

PMI MODEL TD-30T-SHS-218-711 IS A HIGH SPEED, TTL LOGIC OUTPUT THRESHOLD DETECTOR DESIGNED TO OPERATE FROM 7.0 TO 11.0 GHz WITH AN INPUT VSWR OF 2.0:1 @ -20 dBm AND A DYNAMIC RANGE OF -20 dBm TO +10 dBm.

SPECIFICATIONS

- FREQUENCY RANGE: 7.0 TO 11.0 GHz
- VSWR: 3.0 : 1 MAXIMUM @ -20 dBm
- MINIMUM SIGNAL LEVEL FOR LOGIC 1: -15 dBm ±2 dB
- THRESHOLD VARIATION OVER FREQUENCY (ANY 1 GHz WINDOW): ±0.5 dB
- MINIMUM SIGNAL LEVEL FOR LOGIC 0: -25 dBm
- PROPAGATION DELAY (FROM 50% OF AN INPUT OF -20 dBm): 15 ns MAX
- PROPAGATION DELAY (FROM 50% OF AN INPUT OF +10 dBm): 15 ns MAX
- 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

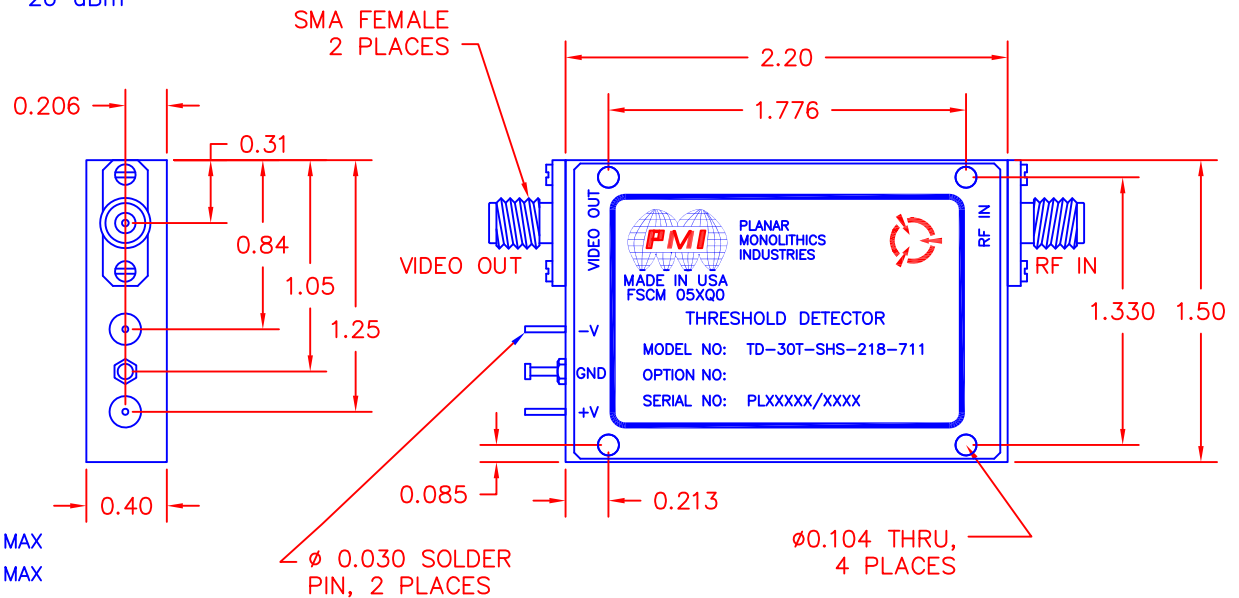
- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +100°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. 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
	-	PRELIMINARY	08/15/15	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>EMF</i>		08/15/16	PRODUCT FEATURE TD-30T-SHS-218-711		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1