

DESCRIPTION

PMI MODEL TD-30T-SHS-218 IS A HIGH SPEED, TTL 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.

REVISIONS

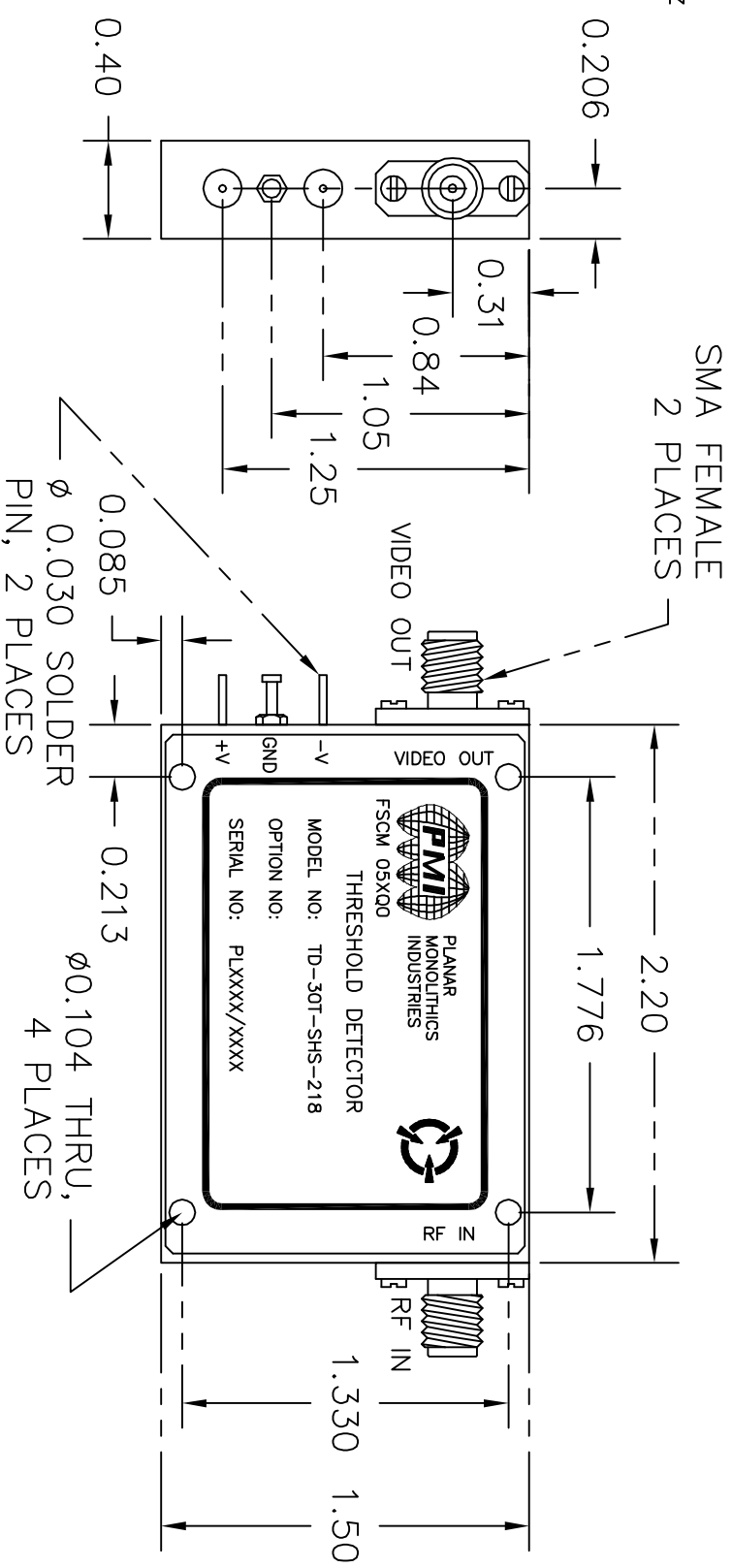
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/2/08	

SPECIFICATIONS

- FREQUENCY RANGE 2.0 GHz TO 18.0 GHz
- VSWR 3.0 : 1 MAXIMUM @ -20 dBm
- MINIMUM SIGNAL LEVEL -20 dBm @ 2 GHz
FOR LOGIC 1 -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 (FROM 50% OF AN INPUT OF -20 dBm) 15 ns MAXIMUM
- PROPAGATION DELAY (FROM 50% OF AN INPUT OF +10 dBm) 15 ns MAXIMUM
- 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

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



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APPROVALS		DATE		TITLE	
[Signature]		12/2/08		PRODUCT FEATURE	
DRAWN		DATE		TD-30T-SHS-218	
REDRAWN		DATE		TITLE	
ISSUED		DATE		TITLE	
SIZE	FSCM NO.	DWG NO.	REV.	SCALE	SHEET
A	05X00	27009521	A	N:S	1 OF 1

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: XXX ±0.020
 XXXX ±0.010
 3) WEIGHT: 2.75 OZ