

DESCRIPTION

PMI MODEL NO.: TD-30T-SHS-218-30DBAMP IS AN ULTRA-HIGH SPEED, HIGH SENSITIVITY THRESHOLD DETECTOR DESIGNED FOR BROAD BAND APPLICATIONS IN THE 2 to 18 GHz FREQUENCY RANGE. THIS IS A MINIATURE UNIT WITH TTL OUTPUT LOGIC.

SPECIFICATIONS

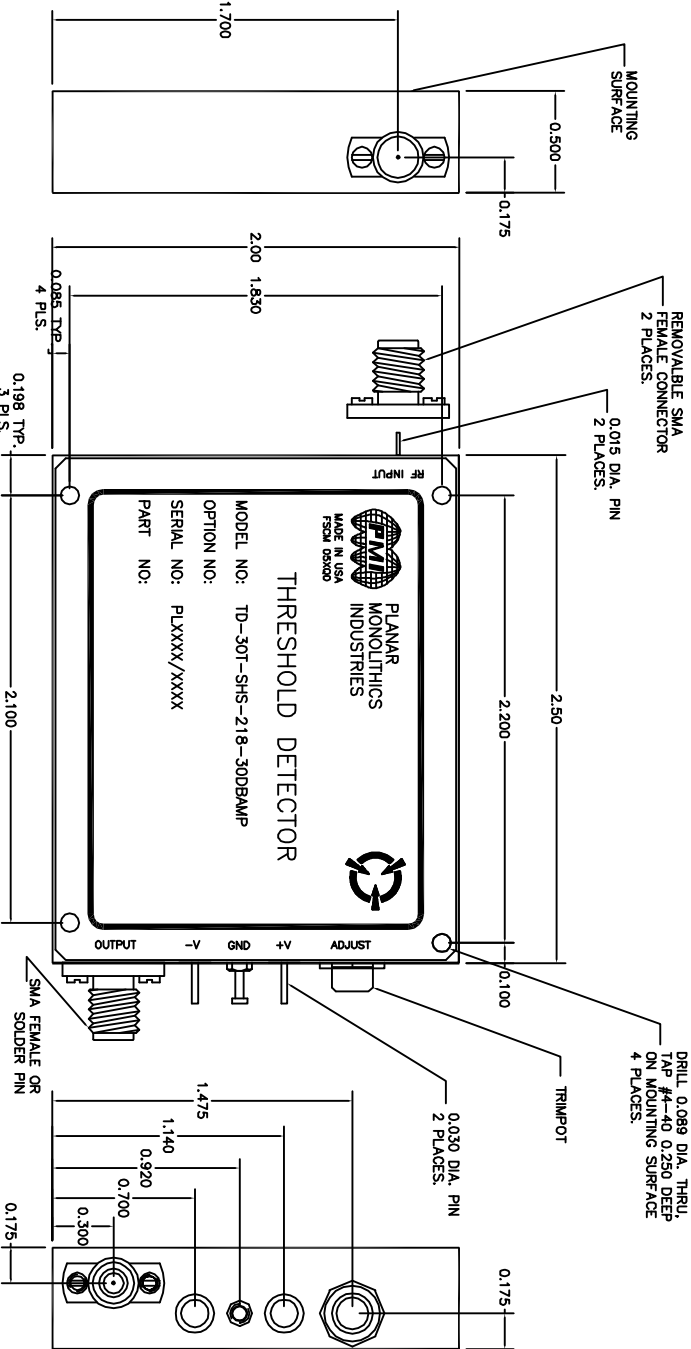
- FREQUENCY RANGE: 2 TO 18 GHz
- MINIMUM SIGNAL LEVEL FOR THRESHOLD DETECTOR TO RESPOND: -45 dBm ± 2.5 dBm
- PROPAGATION DELAY FROM 50% LOGIC OUTPUT ON LEADING EDGE FOR AN INPUT OF -45 dBm: 10 nSEC (TYP), 20 nSEC (MAX)
- PROPAGATION DELAY FROM 50% RF INPUT TO 50% LOGIC WHEN INPUT -20 dBm: 10 nSEC (TYP), 20 nSEC (MAX)
- DC POWER +12V (NO LOAD): 250 mA (MAX)
- DC POWER -12V (NO LOAD): 120 mA (MAX)
- SIZE: 2.5”(L) X 2.0”(W) X 0.5”(H)

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	1/29/09



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TITLE		PRODUCT FEATURE	
APPROVALS	DATE	TD-30T-SHS-218-30DBAMP	
DRAWN	1/29/09	2 - 18 GHz THRESHOLD DETECTOR	
CHECKED		SIZE	REV.
ISSUED		A 0ZXZ8	A
SCALE N:S		SHEET 1 OF 3	