

DESCRIPTION

PMI MODEL THD-8G18G-20-20 IS A THRESHOLD DETECTOR THAT OPERATES FROM 8-18 GHz. IT HAS AN ADJUSTABLE THRESHOLD FROM -20 TO 0 dBm.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 8-18 GHz
- SENSITIVITY: _____ -20 dBm
- DYNAMIC RANGE: _____ -20 TO 0 dBm
- COUPLING: _____ DC COUPLED
- SYNTHETIC VIDEO O/P: _____ TTL (POSITIVE LOGIC)
- PULSE WIDTH MIN: _____ 200 ns
- RISE TIME MAX: _____ 20 ns
- INPUT IMPEDANCE: _____ 50 OHMS NOMINAL
- POWER HANDLING MAX: _____ 50 mW (17 dBm)
- THRESHOLD SETTING: _____ -20 TO 0 dBm VIA RESISTOR TO GROUND
RESISTOR OPEN = 0dBm
- THRESHOLD RESOLUTION: _____ +/- 1.25 dB
- RAW VIDEO OUTPUT: _____ 50 mV TYPICAL @ -20 dBm
- RAW VIDEO OUTPUT IMPEDANCE: _____ 1K OHM
- PROPAGATION DELAY: _____ 15 ns MAX
- DC SUPPLY: _____ +/- 15 VDC
- SIZE: _____ 1.37" X 1.18" X (H) 0.35"
- FINISH _____ NICKEL PLATED

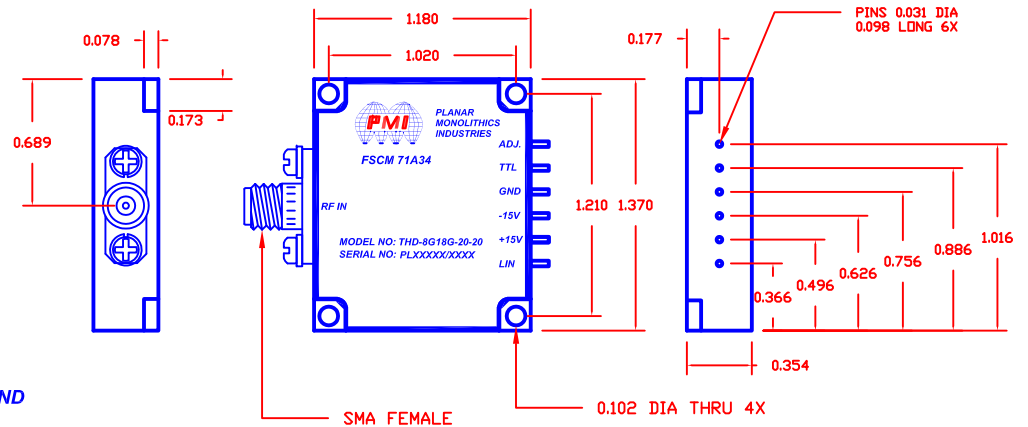
ENVIRONMENTAL RATINGS

- TEMPERATURE: _____ -40°C TO + 85°C (OPERATING)
- DAMP HEAT: _____ 40°C @ 95% RH
- ALTITUDE: _____ 4000 meters (-10°C)
- VIBRATION (SINUSOIDAL)
 - a) RESONANCE SEARCH: _____ 5-8 Hz, +/- 6mm CONSTANT DISPLACEMENT
8 TO 500 Hz 1.5g
 - b) ENDURANCE: _____ 1 HOUR / AXIS
- EMI / EMC: _____ MIL-STD-461-D

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	7-6-20	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>JM</i>		7-6-20	PRODUCT FEATURE			
CHECKED			MODEL NO: THD-8G18G-20-20			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	71A34	PRELIMINARY	1
			SCALE	N:S	SHEET	1 OF 1

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION