

DESCRIPTION

PMI MODEL CDT-2M18-30-BB-DE-D-OPT2M2G IS A 2 MHz TO 2.0 GHz FREQUENCY RANGE BROADBAND THRESHOLD DETECTOR HAVING A DYNAMIC RANGE OF -30 TO 0 dBm AND A POSITIVE OUTPUT POLARITY.

SPECIFICATIONS

- FREQUENCY RANGE:.....2 MHz TO 2.0 GHz
- VSWR:.....1.90:1 MAX
- THRU PATH INSERTION LOSS:.....2.5dB MAX
- POWER RANGE:.....OPERATIONAL: -30 TO 0dBm
(10kHz, VIDEO BANDWIDTH)
- RF DAMAGE LEVEL:.....+28dBm MIN
- THRESHOLD LEVEL:.....0 TO 2.5 VDC
- DETECTED OUT:.....0 TO 2.5 VDC
- THRESHOLD OUTPUT:.....TTL
- OUTPUT POLARITY:.....POSITIVE
- RF CONNECTOR:.....SMA
- CONNECTOR MULTIPIN:.....9 PIN D MULTIPIN
CONNECTOR (FEMALE)
- SUPPLY:.....+15V @ 100mA MAX
-15V @ 40mA MAX
- FINISH:.....PAINTED GRAY
- SIZE:.....2.50"(L) X 2.90"(W) X 0.50"(H)

OPTIONS:

- DE:.....SPECIAL CUSTOMER SPECIFICATIONS
- D:.....9 PIN MULTIPIN CONNECTOR

PIN OUT TABLE	
PIN	FUNCTION
1	+15V
2	N/C
3	-15V
4	GND
5	GND
6	N/C
7	DETECTOR ANALOG OUT
8	THRESHOLD LEVEL IN
9	TTL OUT

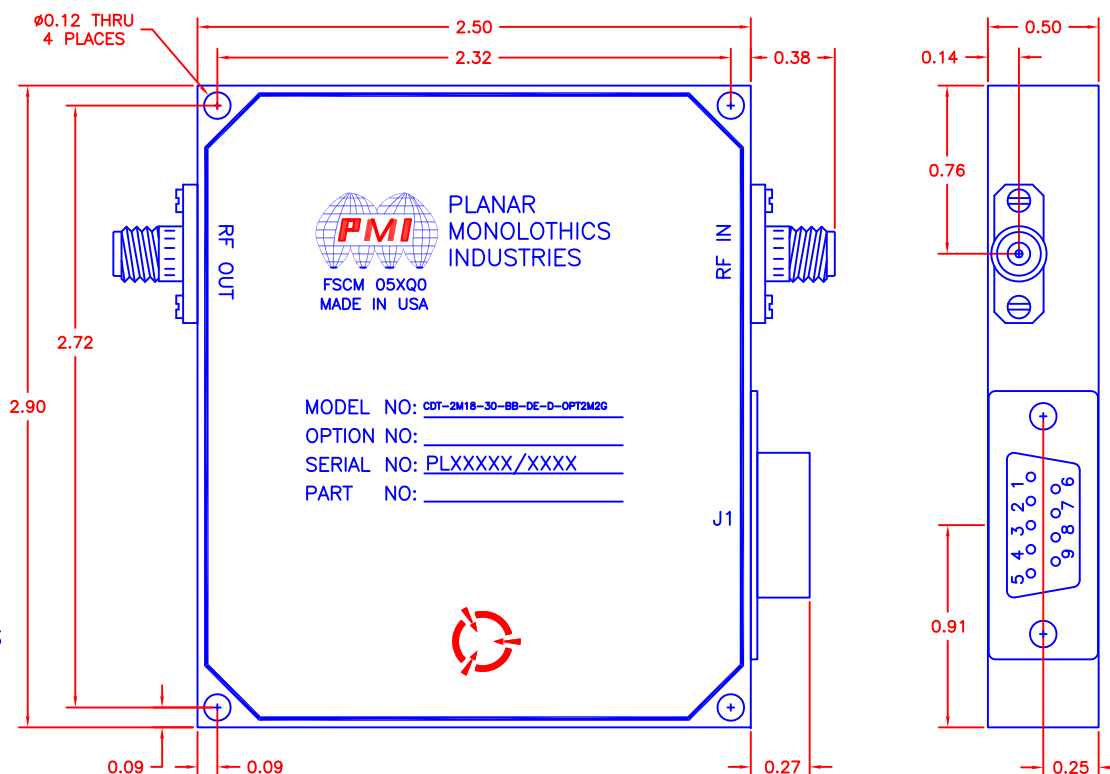
ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....0°C TO +60°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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/18/17	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	JDJ	8/11/08		PRODUCT FEATURE	
REDRAWN	EMF	5/18/17		CDT-2M18-30-BB-DE-D-OPT2M2G	
ISSUED				0.002-2.0 GHz, BROADBAND THRESHOLD DETECTOR	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	