

DESCRIPTION

PMI MODEL CDT-2M18-30-BB OPTION: DE & D IS A 2 MHz TO 18 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 18 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:

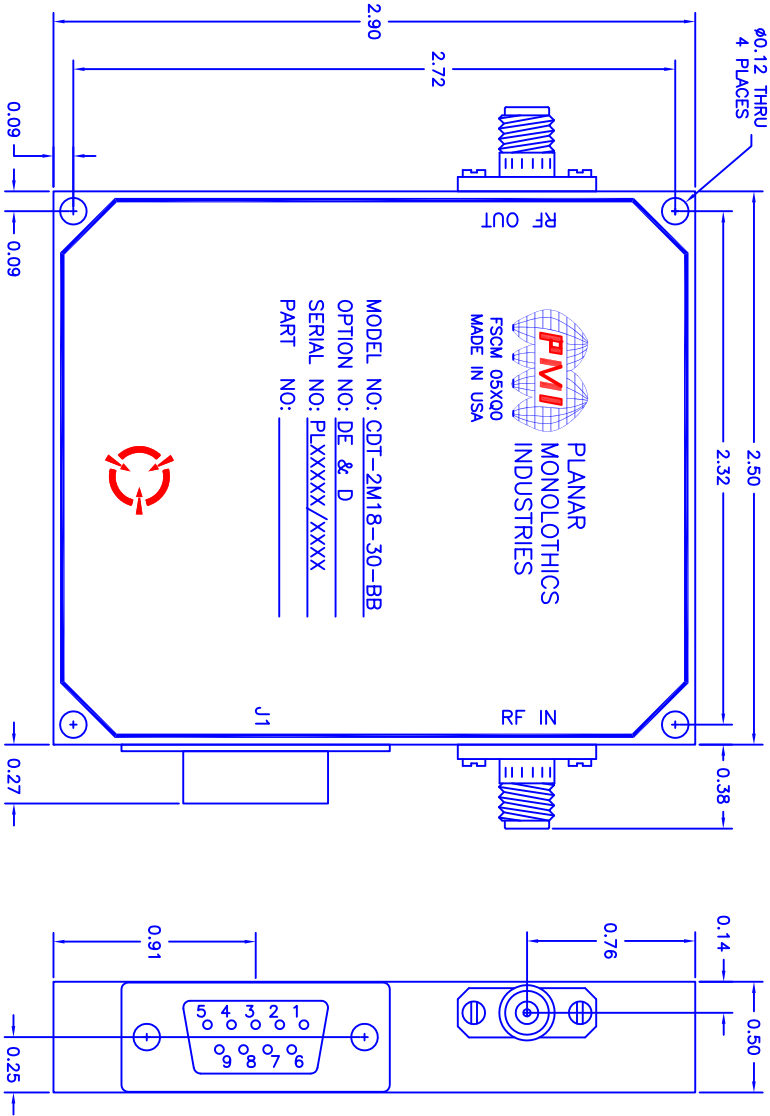
- DE: SPECIAL CUSTOMER SPECIFICATIONS
- D: 9 PIN MULTIPIN CONNECTOR

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

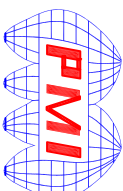
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A1	ORIGINAL RELEASE JOB# P512048E	8/11/08
	A2	ECN # 13-0058	6/10/13

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	
DRAWN		8/11/08	
CHECKED		9/27	
ISSUED			
TITLE		PRODUCT FEATURE	
CDT-2M18-30-BB		OPTION: DE & D	
0.002-18 GHz, BROADBAND THRESHOLD DETECTOR			
SIZE FSQM NO.		DWG NO.	
A 05X00		27008831	
SCALE N:S		SHEET 1 OF 3	