

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.

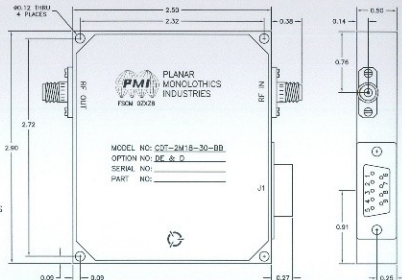
SPECIFICATIONS

- FREQUENCY RANGE:0.002 TO 18 GHz
- VSWR:1.90:1 MAXIMUM
- THRU PATH INSERTION LOSS:2.5 dB MAXIMUM
- POWER RANGE:OPERATIONAL: -30 TO +0 dBm
.....(10 kHz, VIDEO BANDWIDTH)
- OUTPUT POLARITY:POSITIVE
- RF CONNECTOR:SMA
- RF DAMAGE LEVEL:+28 dBm MINIMUM
- THRESHOLD LEVEL:0 TO 2.5 VDC
- DETECTED OUT:0 TO 2.5 VDC
- THRESHOLD OUTPUT:TTL
- CONNECTOR RF:SMA
- CONNECTOR MULTIPIN:9 PIN D MULTIPIN
.....CONNECTOR (FEMALE)
- SUPPLY:+15V @ 100 mA MAXIMUM
.....-15V @ 40 mA MAXIMUM

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 +50°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. B

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XXX ±0.020
X.XXX ±0.015

REVISIONS				
DATE	REV	DESCRIPTION	BY	APPROVED
	-	ORIGINAL RELEASE JOB# P512048E	3/1/08	

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-G GROVE ROAD
FREDERICK, MARYLAND 21704 USA
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ISO 9001:2000 CERTIFIED

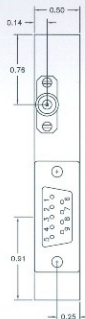
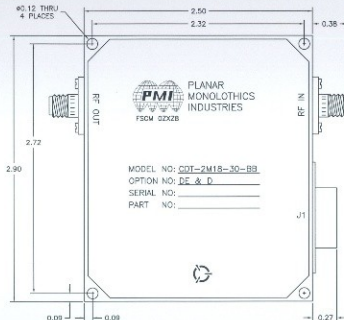


APPROVALS		DATE	TITLE			
jds		4/1/00	PRODUCT FEATURE CDT-2M18-30-BB OPTION: DE & D 0.002-18 GHz, BROADBAND THRESHOLD DETECTOR			
DESIGNED /s/	BY A	ITEM NO. 02XZ8	QTY 100	REV 7603	REV	
ISSUED	2004- N-S		24827	1	OF 3	

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DATE	REV	DESCRIPTION	DATE	APPROVED
		- ORIGINAL RELEASE JOB# P512048E	8/1/98	



MECHANICAL OUTLINE

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

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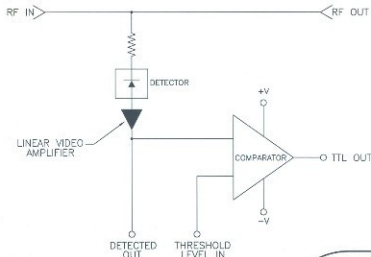
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.003
X.XXX ±0.010

APPROVALS	DATE	TITLE	REV
DESIGN <i>8/2/98</i>	8/1/98	MECHANICAL OUTLINE CDT-2M18-30-BB OPTION: DE & D	
CHECKED <i>8/2/98</i>		0.002-18 GHz, BROADBAND THRESHOLD DETECTOR	
DATE <i>8/1/98</i>		SIZE FSCM NO. 02X28	DWG NO. 100-7603
		SCALE N/S	SHEET 2 OF 3

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REVISIONS			
DATE	NO.	DESCRIPTION	APPROVED
	-	ORIGINAL RELEASE JOB# P512048E	3/1/06



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APPROVALS		DATE	TITLE	
DESIGN	gds	3/1/06	FUNCTIONAL SCHEMATIC	
CHECKED	EE BB	4/3/06	CDT-2M18-30-BB	
ISSUED			OPTION: DE & D	
			0.002-18 GHz, BROADBAND THRESHOLD DETECTOR	
SIZE		PSW NO.	DWG NO.	REV.
A		0ZXZ8	100-7603	-
SCALE		N/S	SHEET 3 OF 3	