



PLANAR MONOLITHICS INDUSTRIES
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**SUMMARY TEST DATA
 ON
 THRESHOLD DETECTOR**

CUSTOMER:	_____	JOB NO:	PE807116-P
PART NO:	_____	TESTED BY:	DAN V.
MODEL NO:	TD-23T-SS-218	TEMPERATURE:	25 C
SERIAL NO:	PL5031	DATE:	10/30/08

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE:	2 TO 18 GHz	2 TO 18 GHz	
2	INPUT OPERATING RANGE: 2-18 GHz (+25°C TO +85°C)	-18 dBm TO -23 dBm	-20 dBm @ 18 GHz -23 dBm @ 2 GHz	
3	THRESHOLD LEVEL: SHALL BE FIXED INTERNALLY TO PROVIDE DETECTION AT A MINIMUM SIGNAL LEVEL	-23 dBm (MINIMUM)	PASS	
4	VSWR	2.5:1 (MAXIMUM)	2.0:1	
5	THRESHOLD SETTING STABILITY (2-18 GHz & 0°C TO +85°C)	±3.0 dB	PASS	
6	MAXIMUM POWER INPUT	+10 dBm (MAXIMUM)	PASS	
7	DETECTED OUTPUT: THE DETECTED OUTPUT SIGNAL SHALL BE A TTL LEVEL HIGH WHEN THE RF SIGNAL POWER APPLIED TO THE RF INPUT EXCEEDS THE THRESHOLD LEVEL. ANY SIGNALS BELOW THE SET THRESHOLD LEVEL SHALL RESULT IN AN OUTPUT LEVEL OF TTL LOW (0). THE TTL OUTPUT SHALL BE BUFFERED SUCH THAT OUTPUT LOADING HAS NO EFFECT ON DETECTOR RESPONSE. THE DETECTED OUTPUT SHALL HAVE A DRIVE CAPACITY OF AT LEAST TWO STANDARD TTL LOADS.	<-23 dBm = "0"	PASS	
8	RESPONSE TIME	100µSEC	PASS	
9	D.C. POWER +12V	50 mA (MAXIMUM)	36 mA	

NOTE: Any additional test data on back

PRODUCTION MANAGER APPROVAL: _____ DATED: 10/30/08

QA/QC APPROVAL: _____ DATED: 10/30/08