



**SUMMARY TEST DATA ON THRESHOLD DETECTOR**

**Customer :**  
**Job No : 08425P**  
**Model No : TD-30T-SHS-218**  
**Serial No : PL5203**

**Tested By : B. Baker**  
**Temperature : +25°C**  
**Date : 01/14/09**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	2.0 GHz TO 18.0 GHz	2 TO 18 GHz	
2	VSWR:	3.0 :1 Max @ -20 dBm	3.0:1	
3	Minimum Signal Level for Logic 1:	-20 dBm @ 2.0 GHz -17 dBm @ 18.0 GHz	-20.9 dBm@2GHz -18.8 dBm@18GHz (Pulsed Input)	
4	Minimum Signal Level for Logic 0:	-25 dBm	-22.9 dBm (2 GHz)	
5	Threshold Variation over Frequency (any 1GHz window):	± 0.5 dB	<0.5 dB	
6	Propagation Delay from 50% of an input of -20 dBm:	15 nS Max	12 nSec (ON) 9 nSec(OFF)	
7	Propagation Delay from 50% of an input of +10 dBm:	15 nS Max	7 nSec (ON) 15 nSec(OFF)	
8	DC Supply:	100mA @ +15VDC Max 100mA @ -15VDC Max	+48 mA -48 mA	

**Production Manager Approval: \_\_\_\_\_ Date:**

**QA/QC Approval: \_\_\_\_\_ Date:**

5715 Industry Lane, Unit 11, Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
 email: [sales@planarelec.com](mailto:sales@planarelec.com)