



PLANAR MONOLITHICS INDUSTRIES
 7311G GROVE ROAD, FREDERICK, MD21704
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 ISO 9001:2000 CERTIFIED

**SUMMARY TEST DATA
 ON
 THRESHOLD DETECTOR**

CUSTOMER: _____ JOB NO: P606031
 MODEL NO: TD-30T-SHS-218 TESTED BY: H. HAHN
 OPTION NO: _____ TEMPERATURE: 25°C
 SERIAL NO: PM608360 DATE: 9/5/06

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	2 TO 18 GHz	2 TO 18 GHz	✓
2	MINIMUM SIGNAL LEVEL FOR LOGIC "1"	-20 dBm @ 2 GHz, -17 dBm @ 18 GHz	-20 dBm @ 2 GHz, -17 dBm @ 18 GHz	✓
3	MAXIMUM SIGNAL LEVEL FOR LOGIC "0"	-25 dBm TYPICAL	-21 dBm	✓
4	THRESHOLD VARIATION OVER FREQUENCY FOR ANY 1 GHz WINDOW	± 0.5 dB TYPICAL	± 0.5 dB	✓
5	PROPAGATION DELAY FROM 50% OF AN INPUT OF -20 dBm	15 nSec MAXIMUM	15 nS	✓
6	PROPAGATION DELAY FROM 50% WHEN INPUT OF +10 dBm	15 nSec MAXIMUM	14 nS	✓
7	DYNAMIC RANGE	-20 dBm TO +10 dBm	-20 dBm TO +10 dBm	✓
8	VSWR INPUT	3.0:1 @ -20 dBm	2.77:1	✓
9	PROPAGATION DELAY	15 nSec	15 nS	✓
10	POWER PLUS (NO LOAD)	+15 VDC @ 100 mA MAXIMUM	22 mA	✓
11	POWER MINUS (NO LOAD)	-15 VDC @ 100 mA MAXIMUM	69 mA	✓

PRODUCTION MANAGER APPROVAL: 
 QA/QC APPROVAL: _____

DATED: 9/6/06
 DATED: 9/6/06



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**SUMMARY TEST DATA
 ON
 THRESHOLD DETECTOR**

CUSTOMER: <u>EADS, CA</u>	JOB NO: <u>P606031</u>
MODEL NO: <u>TD-30T-SHS-218</u>	TESTED BY: <u>H. HAHN</u>
OPTION NO: _____	TEMPERATURE: <u>25°C</u>
SERIAL NO: <u>PM608361</u>	DATE: <u>9/6/06</u>

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	2 TO 18 GHz	2 TO 18 GHz	✓
2	MINIMUM SIGNAL LEVEL FOR LOGIC "1"	-20 dBm @ 2 GHz, -17 dBm @ 18 GHz	-20 dBm @ 2 GHz, -17 dBm @ 18 GHz	✓
3	MAXIMUM SIGNAL LEVEL FOR LOGIC "0"	-25 dBm TYPICAL	-21 dBm	✓
4	THRESHOLD VARIATION OVER FREQUENCY FOR ANY 1 GHz WINDOW	± 0.5 dB TYPICAL	± 0.5 dB	✓
5	PROPAGATION DELAY FROM 50% OF AN INPUT OF -20 dBm	15 nSec MAXIMUM	14 nS	✓
6	PROPAGATION DELAY FROM 50% WHEN INPUT OF +10 dBm	15 nSec MAXIMUM	14 nS	✓
7	DYNAMIC RANGE	-20 dBm TO +10 dBm	-20 dBm TO +10 dBm	✓
8	VSWR INPUT	3.0:1 @ -20 dBm	2.70:1	✓
9	PROPAGATION DELAY	15 nSec	15 nS	✓
10	POWER PLUS (NO LOAD)	+15 VDC @ 100 mA MAXIMUM	22 mA	✓
11	POWER MINUS (NO LOAD)	-15 VDC @ 100 mA MAXIMUM	69 mA	✓

PRODUCTION MANAGER APPROVAL: _____
 QA/QC APPROVAL: _____

DATED: 9/6/06
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