



**SUMMARY TEST DATA
ON
DETECTOR LOGRITHMIC VIDEO AMPLIFIER (DLVA)**

CUSTOMER: _____
 MODEL NO: DLVA-2G6G-AC-1
 OPTION NO: _____
 SERIAL NO: PL8755

JOB NO: _____
 TESTED BY: B. Baker
 TEMPERATURE: +25 °C
 DATE: 03/09/11

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Operating Frequency	2-6 GHz	See Data	
2	INPUT VSWR	NONE	2.8 :1	
3	COUPLING	AC	AC	
4	VIDEO LOAD	90 OHMS	90 OHMS	
5	VIDEO OUTPUT	0.4 TO 3.5 Volts (TYP.)	See Data	
6	PULSE DENSITY	250 Kbps (MIN.)	PASS	
7	LOG SLOPE	75 mV/dB (TYP.)	See Data	
8	DYNAMIC RANGE	40dB	See Data	
9	AMPLITUDE FLATNESS	±1.5 dB (TYP.)	See Data	
10	RECOVERY TIME	1 µSec (MAX.)	100 nS	
11	TSS	-43 dBm (TYP.)	-43 dBm	
12	VIDEO RISE TIME (10% TO 90%)	30 nSec (TYP.)	25 nS	
13	PULSE RESPONSE RANGE	0.1 TO 12.75 µSec	PASS	
14	DC POWER @ +15 V	NONE	60 mA	
15	DC POWER @ -15 V	NONE	52 mA	

QA / QC APPROVAL: _____

DATED: _____



PLANAR MONOLITHICS INDUSTRIES
7311-F GROVE ROAD, FREDERICK, MD 21704
TEL: 301-862-6018 FAX: 301-862-1731
URL: WWW.PMI-RF.COM

INPUT POWER (dBm)

-40	-35	-30	-25	-20	-15	-10	-5	0
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FREQUENCY	2000 MHz
SLOPE	75.077 mv/db
INTERCEPT	3447.4 mv

522	778	1169	1544	1888	2325	2747	3153	3388
78	-42	-26	-27	-58	4	50	81	-60

Measured Values (mv)	
Log Linearity (dB) ±	1.08

FREQUENCY	4000 MHz
SLOPE	76.354 mv/db
INTERCEPT	3524 mv

513	825	1216	1591	1950	2388	2841	3216	3434
43	-27	-18	-24	-47	9	80	73	-90

Measured Values (mv)	
Log Linearity (dB) ±	1.17

FREQUENCY	6000 MHz
SLOPE	75.781 mv/db
INTERCEPT	3404.9 mv

466	716	1106	1481	1825	2247	2684	3091	3388
92	-37	-25	-29	-64	-21	37	65	-17

Measured Values (mv)	
Log Linearity (dB) ±	1.21

