

067-LVA-DTA



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 ISO 9001:2000 CERTIFIED

**SUMMARY TEST DATA
 ON**

DETECTOR LOG VIDEO AMPLIFIER (DLVA)

CUSTOMER: JHU/APL JOB NO: D605097
 MODEL NO: LVD-218-50 TESTED BY: B. Baker
 OPTION NO: 032, LPF TEMPERATURE: +25°C
 SERIAL NO: D606067 DATE: 06/13/06

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	INPUT VSWR @ -20 dBm (0.3 TO 2 GHz)	3.0:1	1.88:1	
2	TYPICAL OUTPUT VOLTAGE @ -40 dBm TO 0 dBm	2.5 V (max) (PLOT ATTACHED)	0.33 TO 2.33 VOLTS	
3	TSS (0.3 TO 2 GHz)	-42 dBm (min)	- 45 dBm	
4	LOG SLOPE (± 4% TOL)	50 mV/dB	50.1 TO 50.6 mV/dB	
5	LOG LINEARITY @ -40 dBm TO 0 dBm	± 0.5 dB (max) ROOM	- 0.32 dB	
6	FREQUENCY FLATNESS (0.3 TO 2 GHz) @ -20 dBm	± 0.25 dB (max)	± 0.1 dB	
7	RECOVERY TIME (typical) -40 to 0 dBm	N/A	400 nSec	
8	RISE TIME (10% TO 90% POINTS)	N/A	90 nSec	
9	D.C. POWER @ +12V WITH NO LOAD	80 mA (max)	73 mA	
10	D.C. POWER @ -12V WITH NO LOAD	70 mA (max)	60 mA	

QA / QC APPROVAL: _____

32 ic

DATED: 6/14/06



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SO 9001:2000 Certified

LVD-218-50 S/N: DL606167

LOG TRANSFER WITH FREQUENCY + 25 C DATE 06/14/06

Frequency	Intercept (mv)	Slope (mv/db)	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	Rf input power (dbm)	Measured Values (mv)	Error (mv)	Measured Values (mv)	Error (mv)	Measured Values (mv)	Error (mv)
0.3 GHz	2338	50.6	140	320	570	810	1160	1330	1580	1840	2090	2330	2480							
.15 GHz	2332	50.2	79	6	3	-10	-13	4	1	8	5	-3	-111							
2 GHz	2329	50.1	140	330	580	810	1170	1330	1580	1840	2080	2330	2490							
			66	5	5	-16	-6	3	3	12	2	-9	-99							

