



PLANAR MONOLITHICS INDUSTRIES, INC.
 7311-G GROVE ROAD, FREDERICK, MARYLAND 21704
 TEL: 301-631-1579 FAX: 301-662-2029
 URL: WWW.PLANARMONOLITHICS.COM
 EMAIL: SALES@PLANARMONOLITHICS.COM
 ISO 9001:2000 CERTIFIED

**SUMMARY TEST DATA
 ON
 SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER**

CUSTOMER: _____
MODEL NO: SDLVA-0120-70
OPTION NO: 500M105, 10DBM, MH
SERIAL NO: PM510327

JOB NO: P508038
TESTED BY: R.AFABLE
TEMPERATURE: ROOM
DATE: JANUARY 24, 2006

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5 TO 1.5 GHz	0.5 TO 1.5 GHz	✓
2	INPUT VSWR	1.8:1 MAXIMUM; (1.5:1 TYPICAL)	1.37:1	✓
3	TYPICAL OUTPUT VOLTAGE @ -60 TO +5 dBm	2.7 V MAXIMUM	SEE PLOTS	✓
4	TSS (0.5 -1.5 GHz)	-65 dBm (-70 dBm TYPICAL)	-67 dBm	✓
5	LOG SLOPE	25 mV/dB NOMINAL	22.88 mV/dB to 27.26 mV/dB	✓
6	LOG LINEARITY @ -60 TO 0 dBm	± 1.2 dB MAXIMUM	±1.16 dB	✓
7	LOG LINEARITY @ -65 TO +5 dBm	± 1.5 dB MAXIMUM	±1.04 dB	✓
8	LIMITED IF OUTPUT (±10%)	+10 dBm	9.4 dBm to 10.28 dBm	✓
9	VIDEO LOAD	100Ω ± 10%	100Ω	✓
10	RISE TIME	25 nSec MAXIMUM	12 nS	✓
11	FALL TIME	30 nSec MAXIMUM	17 nS	✓
12	SETTLING TIME	40 nSec MAXIMUM	28 nS	✓
13	DC POWER +V (NO LOAD)	12 to 15V @ 150mA Maximum	130 mA	✓
14	DC POWER -V (NO LOAD)	-12 to -15V @ 150mA Maximum	137 mA	✓

TESTED ON: HP8350B/83592A, GIGATRONIC 8541, TEKTRONIX TDS3014B

QA / QC APPROVAL: _____

[Handwritten Signature]

DATED: _____

1/25/06

TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C



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TECHNICIAN: R.A.FABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
 DATE: 01/24/2006 SERIAL NUMBER: PM510327

RF POWER IN (dBm)	500 MHz		1000 MHz		1500 MHz	
	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)
5	1.877	10.28	1.686	10.09	1.484	9.92
0	1.762	10.28	1.575	10.09	1.377	9.9
-5	1.632	10.28	1.458	10.09	1.277	9.9
-10	1.483	10.28	1.32	10.09	1.158	9.89
-15	1.352	10.28	1.198	10.09	1.046	9.89
-20	1.197	10.28	1.062	10.09	0.93	9.89
-25	1.091	10.28	0.96	10.09	0.828	9.89
-30	0.914	10.28	0.804	10.09	0.693	9.89
-35	0.807	10.28	0.705	10.09	0.601	9.89
-40	0.654	10.27	0.565	10.09	0.467	9.89
-45	0.527	10.28	0.446	10.09	0.365	9.87
-50	0.381	10.29	0.305	10.08	0.237	9.087
-55	0.258	10.29	0.19	10.08	0.12	9.086
-60	0.104	10.25	0.058	10.02	-0.013	9.07
-65	0.005	10.06	-0.029	9.83	-0.085	9.4
DC POWER @ + 5 VOLTS	+130 mA					
DC POWER @ - 5 VOLTS	-137 mA					
LOG SLOPE						
BEST FIT STRAIGHT LINE	27.2679	mV/dB	25.0086	mV/dB	22.8486	mV/dB
LOG ERROR IN dB @ -65 - +5 dB	0.85		1.04		0.71	
LOG ERROR IN dB @ -60 - 0 dB	-0.82		-0.65		-1.16	
FREQUENCY FLATNESS						
LOG VIDEO FROM THE VALUE						
@ 1 GHz IN dB						

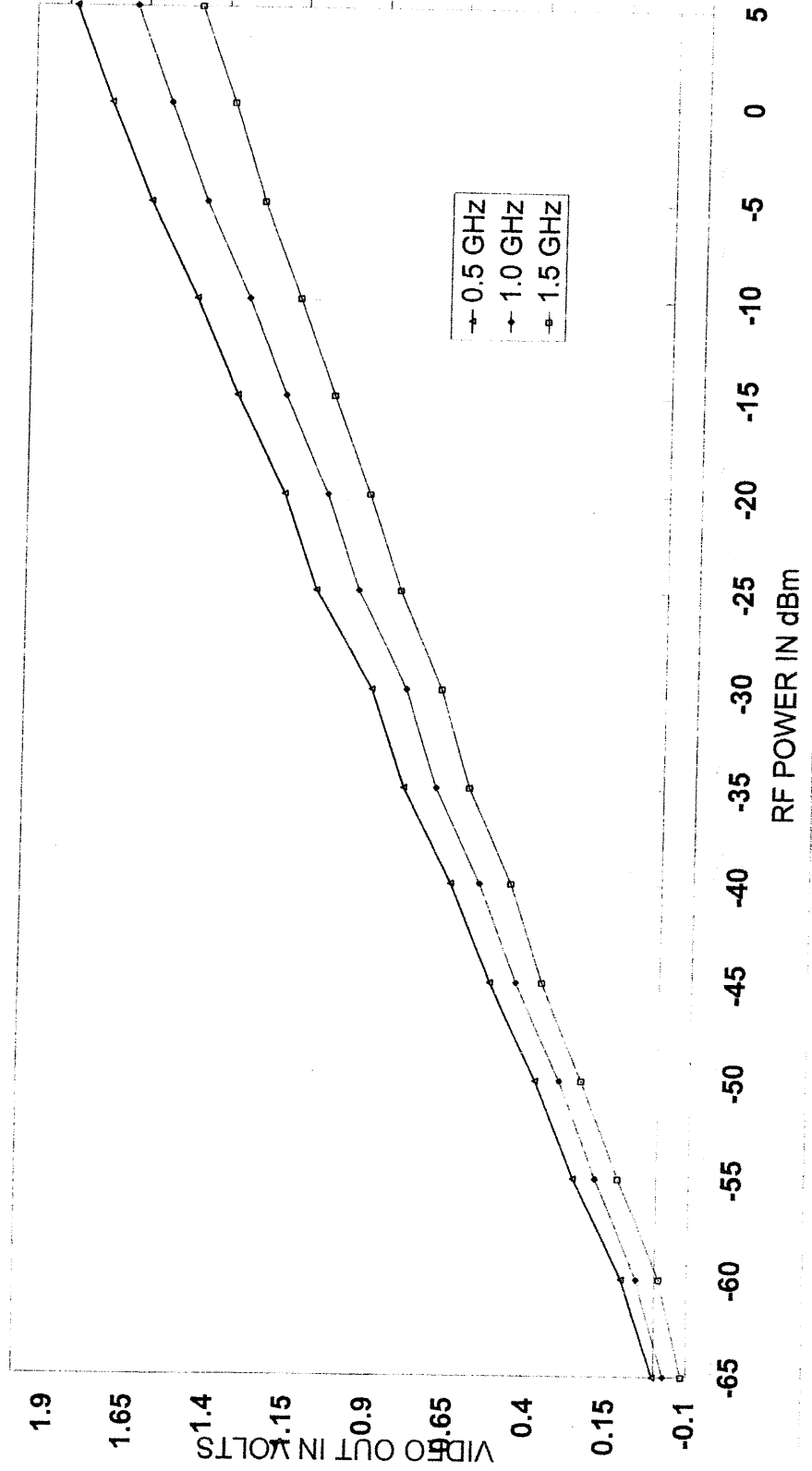


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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C

TECHNICIAN: R.AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
DATE: 01/24/2006 SERIAL NUMBER: PM510327

PLOT OF LOG SLOPE OVER FREQUENCY





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SUMMARY TEST DATA
ON
SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER

CUSTOMER: C
 MODEL NO: SDLVA-0120-70
 OPTION NO: 500M105, 10DBM, MH
 SERIAL NO: PM510328

JOB NO: P508038
 TESTED BY: R.AFABLE
 TEMPERATURE: ROOM
 DATE: JANUARY 24, 2006

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5 TO 1.5 GHz	0.5 TO 1.5 GHz	✓
2	INPUT VSWR	1.8:1 MAXIMUM; (1.5:1 TYPICAL)	1.33:1	✓
3	TYPICAL OUTPUT VOLTAGE @ -60 TO +5 dBm	2.7 V MAXIMUM	SEE PLOTS	✓
4	TSS (0.5 -1.5 GHz)	-65 dBm (-70 dBm TYPICAL)	-67 dBm	✓
5	LOG SLOPE	25 mV/dB NOMINAL	23.27 mV/dB to 27.61 mV/dB	✓
6	LOG LINEARITY @ -60 TO 0 dBm	± 1.2 dB MAXIMUM	±1.17 dB	✓
7	LOG LINEARITY @ -65 TO +5 dBm	± 1.5 dB MAXIMUM	±1.18 dB	✓
8	LIMITED IF OUTPUT (±10%)	+10 dBm	9.91 dBm to 10.50 dBm	✓
9	VIDEO LOAD	100Ω ± 10%	100Ω	✓
10	RISE TIME	25 nSec MAXIMUM	12 nS	✓
11	FALL TIME	30 nSec MAXIMUM	16 nS	✓
12	SETTLING TIME	40 nSec MAXIMUM	30 nS	✓
13	DC POWER +V (NO LOAD)	12 to 15V @ 150mA Maximum	115 mA	✓
14	DC POWER -V (NO LOAD)	-12 to -15V @ 150mA Maximum	139 mA	✓

TESTED ON: HP8350B/83592A, GIGATRONIC 8541, TEKTRONIX TDS3014B

QA/QC APPROVAL: _____

DATED: _____

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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C



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TECHNICIAN: R-AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
 DATE: 01/24/2006 SERIAL NUMBER: PM510328

RF POWER IN (dBm)	500 MHz		1000 MHz		1500 MHz	
	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)
5	1.9	10.5	1.709	10.27	1.511	10.02
0	1.782	10.5	1.596	10.27	1.401	10.01
-5	1.65	10.5	1.478	10.27	1.299	10.01
-10	1.498	10.5	1.336	10.27	1.177	10.01
-15	1.364	10.5	1.212	10.27	1.063	10.01
-20	1.208	10.5	1.075	10.27	0.945	10.01
-25	1.098	10.5	0.969	10.27	0.84	10
-30	0.919	10.5	0.813	10.27	0.703	10
-35	0.812	10.5	0.713	10.22	0.61	10
-40	0.654	10.5	0.569	10.23	0.473	10
-45	0.528	10.5	0.45	10.23	0.371	10
-50	0.381	10.51	0.305	10.24	0.241	10
-55	0.256	10.52	0.187	10.25	0.123	10
-60	0.104	10.5	0.057	10.22	-0.015	9.94
-65	0.006	10.39	-0.029	10.12	-0.089	9.91
DC POWER @ + 5 VOLTS	+115 mA					
DC POWER @ - 5 VOLTS	-139 mA					
LOG SLOPE						
BEST FIT STRAIGHT LINE	27.6186	mV/dB	25.3807	mV/dB	23.2643	mV/dB
LOG ERROR IN dB @ -65 - +5 dB	1.04		1.18		0.69	
LOG ERROR IN dB @ -60 - 0 dB	-0.91		-0.66		-1.17	
FREQUENCY FLATNESS						
LOG VIDEO FROM THE VALUE @ 1 GHz IN dB						

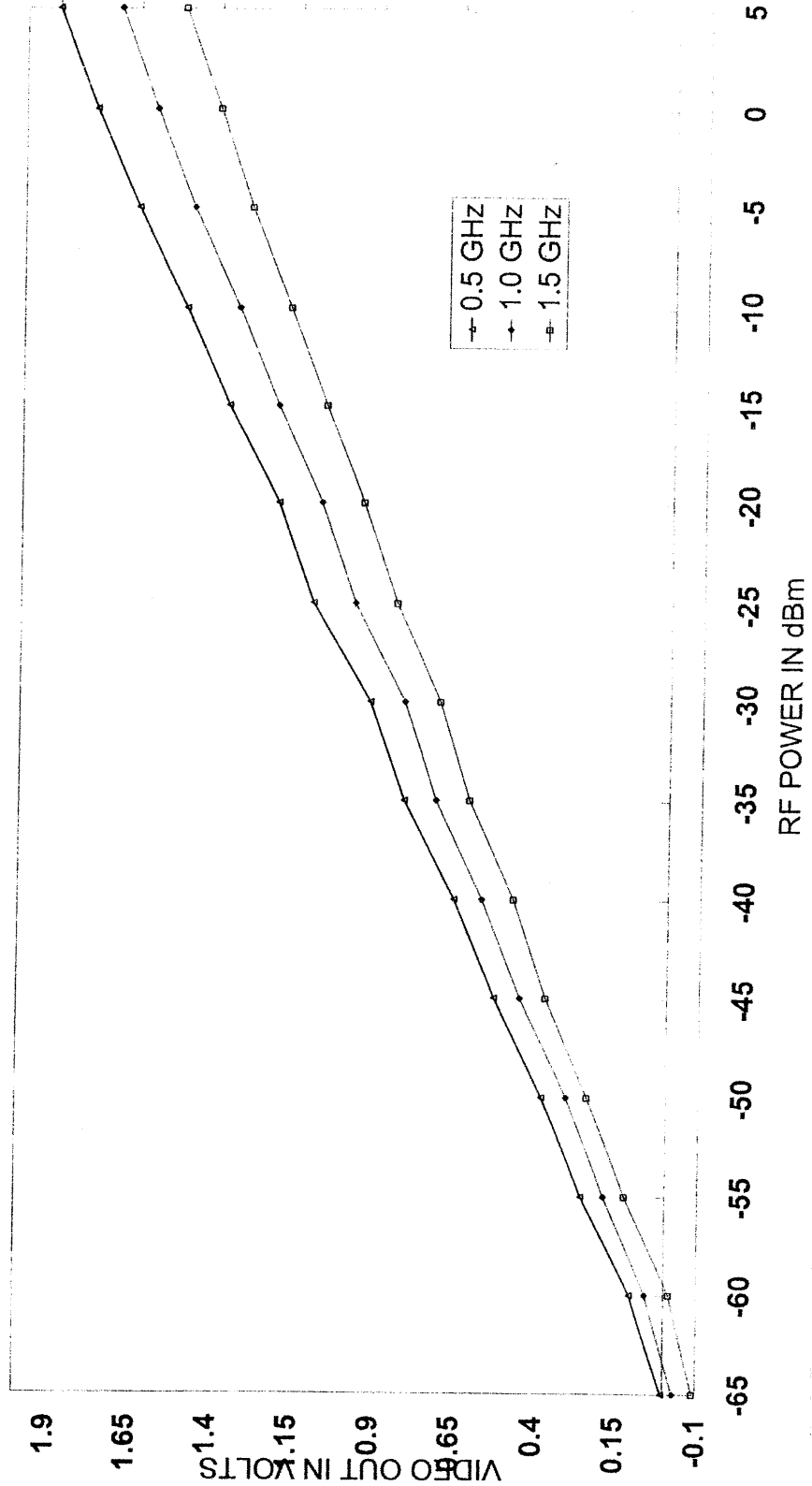


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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C

TECHNICIAN: RAFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
DATE: 01/24/2006 SERIAL NUMBER: PM510328

LOT OF LOG SLOPE OVER FREQUENCY





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SUMMARY TEST DATA
ON
SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER

CUSTOMER: _____
MODEL NO: SDLVA-0120-70
OPTION NO: 500M105, 10DBM, MH
SERIAL NO: PM510329

JOB NO: P508038
TESTED BY: R.AFABLE
TEMPERATURE: ROOM
DATE: JANUARY 24, 2006

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5 TO 1.5 GHz	0.5 TO 1.5 GHz	✓
2	INPUT VSWR	1.8:1 MAXIMUM; (1.5:1 TYPICAL)	1.30:1	✓
3	TYPICAL OUTPUT VOLTAGE @ -60 TO +5 dBm	2.7 V MAXIMUM	SEE PLOTS	✓
4	TSS (0.5 -1.5 GHz)	-65 dBm (-70 dBm TYPICAL)	-67 dBm	✓
5	LOG SLOPE	25 mV/dB NOMINAL	23.21 mV/dB to 27.77 mV/dB	✓
6	LOG LINEARITY @ -60 TO 0 dBm	± 1.2 dB MAXIMUM	±0.89 dB	✓
7	LOG LINEARITY @ -65 TO +5 dBm	± 1.5 dB MAXIMUM	±1.26 dB	✓
8	LIMITED IF OUTPUT (±10%)	+10 dBm	9.33 dBm to 10.16 dBm	✓
9	VIDEO LOAD	100Ω ± 10%	100Ω	✓
10	RISE TIME	25 nSec MAXIMUM	12 nS	✓
11	FALL TIME	30 nSec MAXIMUM	16 nS	✓
12	SETTLING TIME	40 nSec MAXIMUM	30 nS	✓
13	DC POWER +V (NO LOAD)	12 to 15V @ 150mA Maximum	129 mA	✓
14	DC POWER -V (NO LOAD)	-12 to -15V @ 150mA Maximum	143 mA	✓

TESTED ON: HP8350B/83592A, GIGATRONIC 8541, TEKTRONIX TDS3014B

QA / QC APPROVAL: _____

(Handwritten signature)

DATED: _____

1/25/06

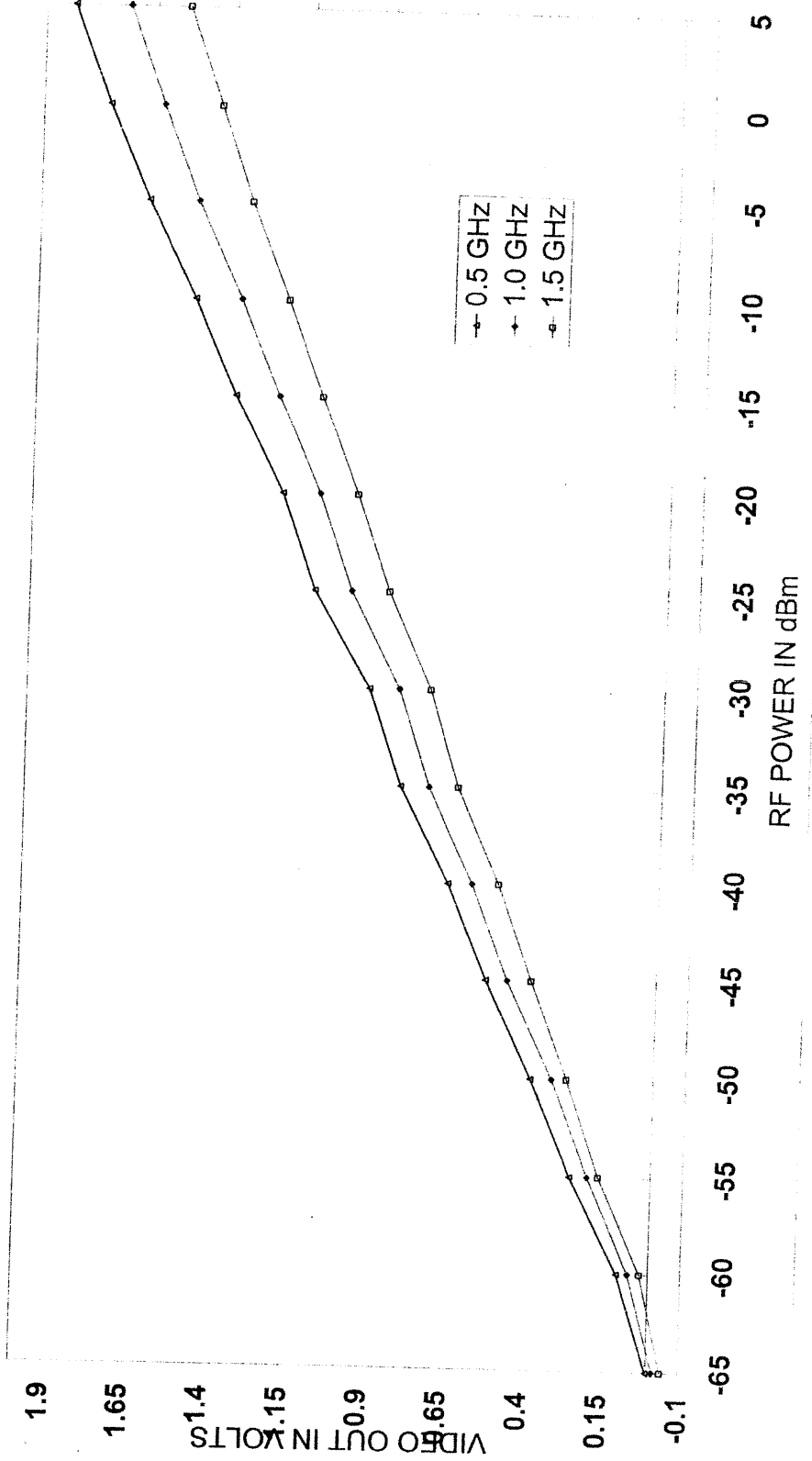


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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C

TECHNICIAN: R.AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
 DATE: 01/24/2006 SERIAL NUMBER: PM510329

PLOT OF LOG SLOPE OVER FREQUENCY





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**SUMMARY TEST DATA
 ON
 SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER**

CUSTOMER: _____
MODEL NO: SDLVA-0120-70
OPTION NO: 500M105, 10DBM, MH
SERIAL NO: PM510330

JOB NO: P508038
TESTED BY: R.AFABLE
TEMPERATURE: ROOM
DATE: JANUARY 24, 2006

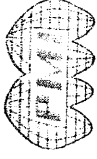
TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5 TO 1.5 GHz	0.5 TO 1.5 GHz	✓
2	INPUT VSWR	1.8:1 MAXIMUM; (1.5:1 TYPICAL)	1.30:1	✓
3	TYPICAL OUTPUT VOLTAGE @ -60 TO +5 dBm	2.7 V MAXIMUM	SEE PLOTS	✓
4	TSS (0.5 -1.5 GHz)	-65 dBm (-70 dBm TYPICAL)	-67 dBm	✓
5	LOG SLOPE	25 mV/dB NOMINAL	23.12 mV/dB to 27.39 mV/dB	✓
6	LOG LINEARITY @ -60 TO 0 dBm	± 1.2 dB MAXIMUM	±1.15 dB	✓
7	LOG LINEARITY @ -65 TO +5 dBm	± 1.5 dB MAXIMUM	±0.92 dB	✓
8	LIMITED IF OUTPUT (±10%)	+10 dBm	9.92 dBm to 10.40 dBm	✓
9	VIDEO LOAD	100Ω ± 10%	100Ω	✓
10	RISE TIME	25 nSec MAXIMUM	13 nS	✓
11	FALL TIME	30 nSec MAXIMUM	17 nS	✓
12	SETTLING TIME	40 nSec MAXIMUM	25 nS	✓
13	DC POWER +V (NO LOAD)	12 to 15V @ 150mA Maximum	132 mA	✓
14	DC POWER -V (NO LOAD)	-12 to -15V @ 150mA Maximum	138 mA	✓

TESTED ON: HP8350B/83592A, GIGATRONIC 8541, TEKTRONIX TDS3014B

QA / QC APPROVAL: _____

DATED: 1/25/06

TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C



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 TEL: 301-631-1579 FAX: 301-682-2028
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TECHNICIAN: R.AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
 DATE: 01/24/2006 SERIAL NUMBER: PM510330

RF POWER IN (dBm)	500 MHz		1000 MHz		1500 MHz	
	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)
5	1.924	10.4	1.737	10.16	1.544	9.97
0	1.807	10.4	1.625	10.16	1.434	9.96
-5	1.676	10.4	1.508	10.16	1.333	9.96
-10	1.526	10.4	1.369	10.16	1.213	9.96
-15	1.394	10.4	1.246	10.16	1.099	9.95
-20	1.239	10.39	1.11	10.16	0.982	9.95
-25	1.13	10.39	1.006	10.16	0.878	9.95
-30	0.952	10.38	0.85	10.16	0.742	9.95
-35	0.846	10.38	0.752	10.16	0.65	9.95
-40	0.691	10.38	0.61	10.16	0.514	9.95
-45	0.566	10.38	0.493	10.16	0.412	9.94
-50	0.42	10.4	0.352	10.15	0.281	9.94
-55	0.294	10.41	0.235	10.14	0.163	9.94
-60	0.142	10.34	0.101	10.14	0.028	9.69
-65	0.043	9.8	0.009	10.11	-0.047	9.92
DC POWER @ + 5 VOLTS	+132 mA					
DC POWER @ - 5 VOLTS	-138 mA					
LOG SLOPE						
BEST FIT STRAIGHT LINE	27.3964		25.1329		23.1257	
LOG ERROR IN dB @ -65 - +5 dB	0.92		0.87		0.74	
LOG ERROR IN dB @ -60 - 0 dB	-0.90		-0.67		-1.15	
FREQUENCY FLATNESS						
LOG VIDEO FROM THE VALUE @ 1 GHz IN dB						

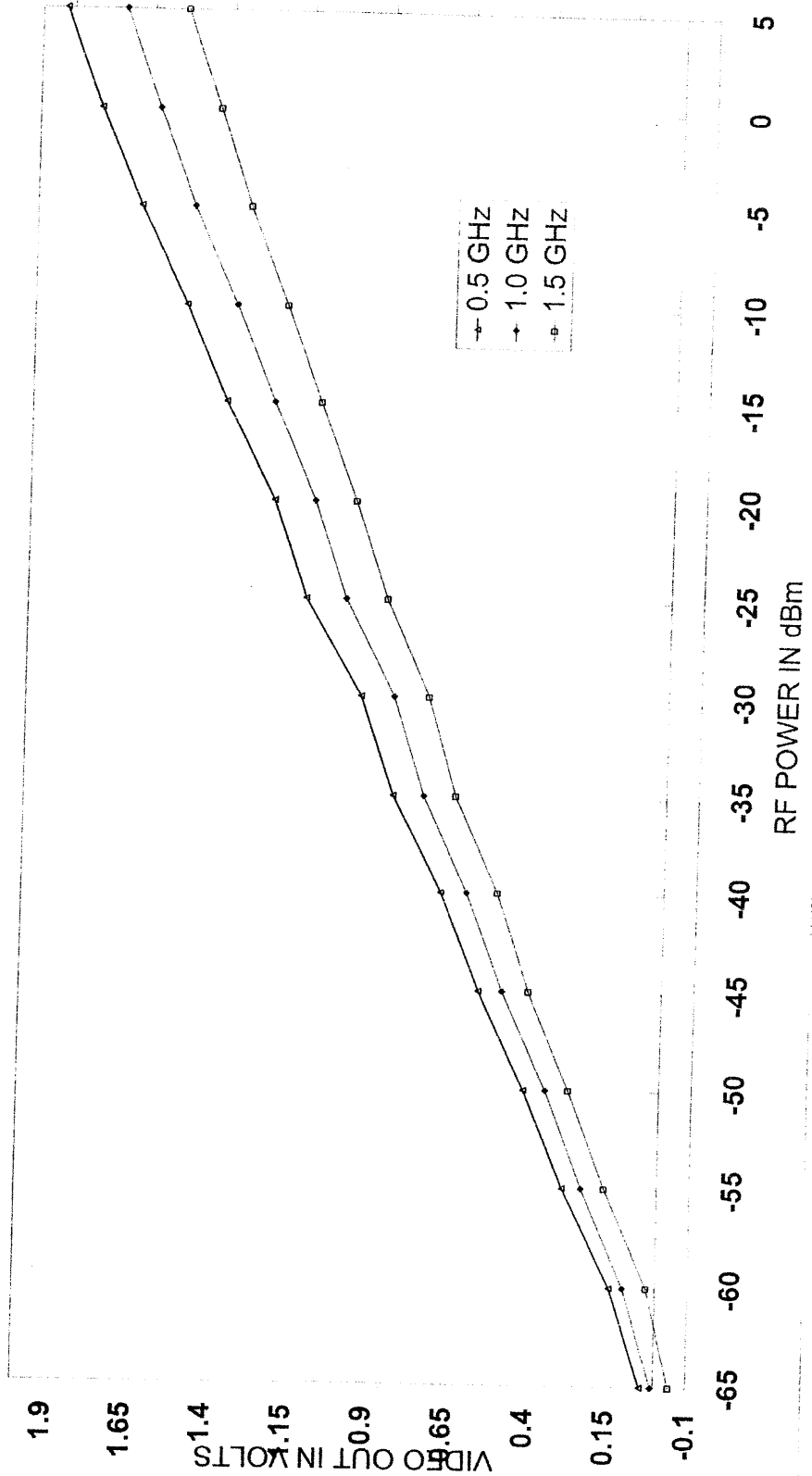


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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C

TECHNICIAN: R.AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
DATE: 01/24/2006 SERIAL NUMBER: PM510330

Plot of Log Slope Over Frequency





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SUMMARY TEST DATA ON

SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER

CUSTOMER: _____
 MODEL NO: SDLVA-0120-70
 OPTION NO: 500M105, 10DBM, MH
 SERIAL NO: PM510331

JOB NO: P508038
 TESTED BY: R.AFABLE
 TEMPERATURE: ROOM
 DATE: JANUARY 24, 2006

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5 TO 1.5 GHz	0.5 TO 1.5 GHz	✓
2	INPUT VSWR	1.8:1 MAXIMUM; (1.5:1 TYPICAL)	1.36:1	✓
3	TYPICAL OUTPUT VOLTAGE @ -60 TO +5 dBm	2.7 V MAXIMUM	SEE PLOTS	✓
4	TSS (0.5 -1.5 GHz)	-65 dBm (-70 dBm TYPICAL)	-67 dBm	✓
5	LOG SLOPE	25 mV/dB NOMINAL	23.14 mV/dB to 27.41 mV/dB	✓
6	LOG LINEARITY @ -60 TO 0 dBm	± 1.2 dB MAXIMUM	±1.18 dB	✓
7	LOG LINEARITY @ -65 TO +5 dBm	± 1.5 dB MAXIMUM	±1.13 dB	✓
8	LIMITED IF OUTPUT (±10%)	+10 dBm	9.73 dBm to 10.52 dBm	✓
9	VIDEO LOAD	100Ω ± 10%	100Ω	✓
10	RISE TIME	25 nSec MAXIMUM	12 nS	✓
11	FALL TIME	30 nSec MAXIMUM	17 nS	✓
12	SETTLING TIME	40 nSec MAXIMUM	30 nS	✓
13	DC POWER +V (NO LOAD)	12 to 15V @ 150mA Maximum	132 mA	✓
14	DC POWER -V (NO LOAD)	-12 to -15V @ 150mA Maximum	139 mA	✓

TESTED ON: HP8350B/83592A, GIGATRONIC 8541, TEKTRONIX TDS3014B

QA/QC APPROVAL: _____

(Handwritten signature)

DATED: _____

1/25/06

TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C



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TECHNICIAN: R.AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
 DATE: 01/24/2006 SERIAL NUMBER: PM510331

RF POWER IN (dBm)	500 MHz		1000 MHz		1500 MHz	
	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)
5	1.886	10.52	1.697	10.25	1.499	10
0	1.768	10.52	1.583	10.25	1.389	9.99
-5	1.637	10.52	1.465	10.25	1.288	9.99
-10	1.485	10.52	1.323	10.25	1.164	9.98
-15	1.351	10.52	1.2	10.25	1.051	9.98
-20	1.198	10.52	1.065	10.25	0.935	9.97
-25	1.087	10.52	0.958	10.25	0.829	9.97
-30	0.911	10.52	0.804	10.25	0.696	9.97
-35	0.806	10.52	0.707	10.25	0.602	9.97
-40	0.647	10.51	0.561	10.25	0.467	9.97
-45	0.524	10.51	0.448	10.25	0.369	9.97
-50	0.376	10.52	0.312	10.25	0.233	9.99
-55	0.25	10.54	0.197	10.25	0.112	9.99
-60	0.102	10.5	0.063	10.21	-0.02	9.93
-65	0.007	10.35	-0.032	10.05	-0.091	9.73
DC POWER @ + 5 VOLTS	+132 mA					
DC POWER @ - 5 VOLTS	-139 mA					
LOG SLOPE						
BEST FIT STRAIGHT LINE	27.4171	mV/dB	25.0871	mV/dB	23.1407	mV/dB
LOG ERROR IN dB @ -65 - +5 dB	1.13		0.90		0.75	
LOG ERROR IN dB @ -60 - 0 dB	-0.90		-0.77		-1.18	
FREQUENCY FLATNESS						
LOG VIDEO FROM THE VALUE @ 1 GHz IN dB						

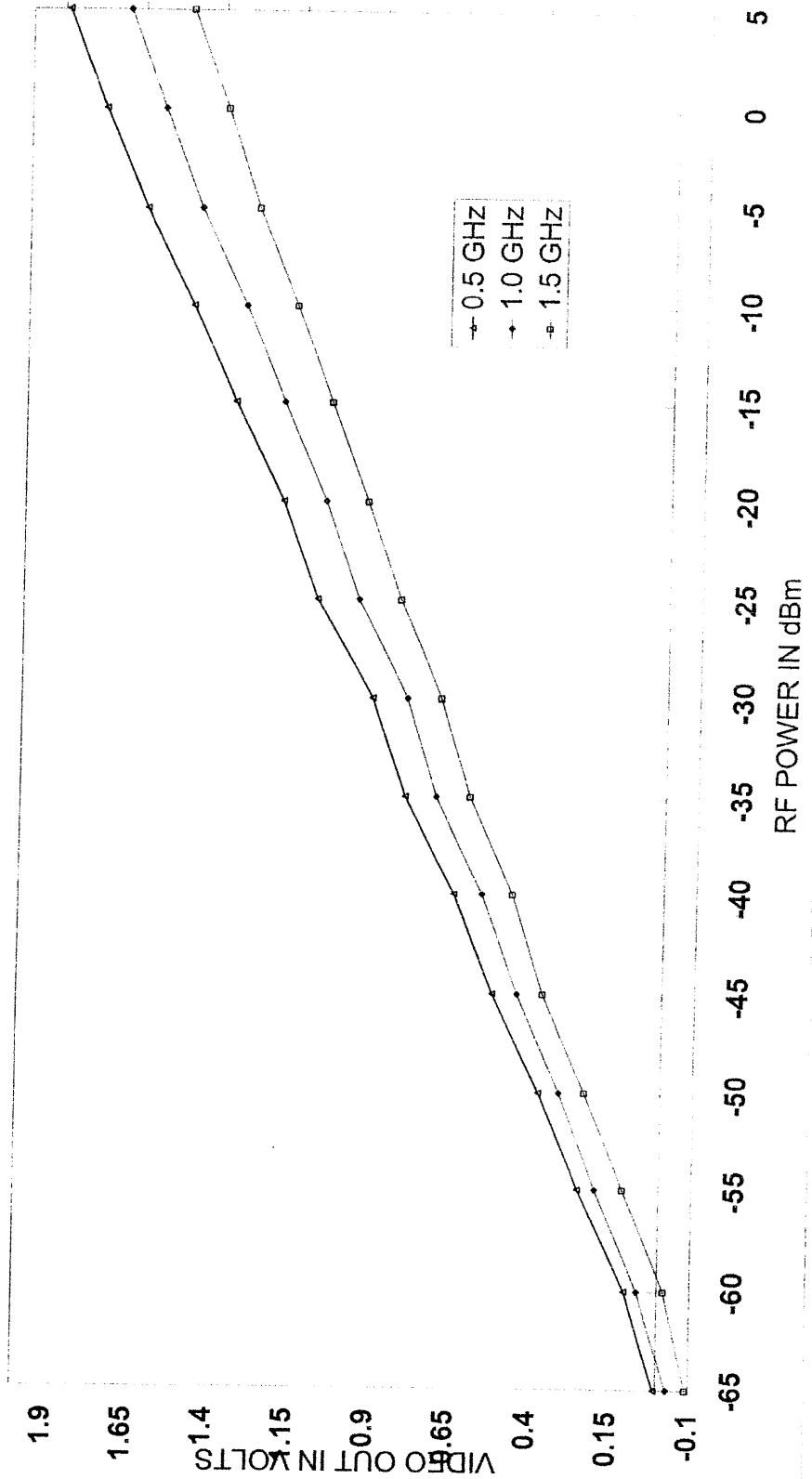


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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C

TECHNICIAN: R-AFABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
DATE: 01/24/2006 SERIAL NUMBER: PM510331

LOT OF LOG SLOPE OVER FREQUENCY





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 TEL: 301-631-1579 FAX: 301-662-2029
 URL: WWW.PLANARMONOLITHICS.COM
 EMAIL: SALES@PLANARMONOLITHICS.COM
 ISO 9001:2000 CERTIFIED

SUMMARY TEST DATA
ON
SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER

CUSTOMER: _____
MODEL NO: SDLVA-0120-70
OPTION NO: 500M105, 10DBM, MH
SERIAL NO: PM510332

JOB NO: P508038
TESTED BY: R.AFABLE
TEMPERATURE: ROOM
DATE: JANUARY 24, 2006

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5 TO 1.5 GHz	0.5 TO 1.5 GHz	✓
2	INPUT VSWR	1.8:1 MAXIMUM; (1.5:1 TYPICAL)	1.35:1	✓
3	TYPICAL OUTPUT VOLTAGE @ -60 TO +5 dBm	2.7 V MAXIMUM	SEE PLOTS	✓
4	TSS (0.5 -1.5 GHz)	-65 dBm (-70 dBm TYPICAL)	-67 dBm	✓
5	LOG SLOPE	25 mV/dB NOMINAL	23.21 mV/dB to 27.76 mV/dB	✓
6	LOG LINEARITY @ -60 TO 0 dBm	± 1.2 dB MAXIMUM	±0.89 dB	✓
7	LOG LINEARITY @ -65 TO +5 dBm	± 1.5 dB MAXIMUM	±1.26 dB	✓
8	LIMITED IF OUTPUT (±10%)	+10 dBm	9.01 dBm to 10.23 dBm	✓
9	VIDEO LOAD	100Ω ± 10%	100Ω	✓
10	RISE TIME	25 nSec MAXIMUM	12 nS	✓
11	FALL TIME	30 nSec MAXIMUM	16 nS	✓
12	SETTLING TIME	40 nSec MAXIMUM	28 nS	✓
13	DC POWER +V (NO LOAD)	12 to 15V @ 150mA Maximum	132 mA	✓
14	DC POWER -V (NO LOAD)	-12 to -15V @ 150mA Maximum	139 mA	✓

TESTED ON: HP8350B/83592A, GIGATRONIC 8541, TEKTRONIX TDS3014B

QA / QC APPROVAL: _____

Q4

DATED: _____

1/25/06

TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C



PLANAR MONOLITHICS INDUSTRIES
 7311-G GROVE ROAD, FREDERICK, MD 21704
 TEL: 301-631-1578 FAX: 301-662-2029
 URL: WWW.PLANARMONOLITHICS.COM

TECHNICIAN: **R.A.FABLE** MODEL NUMBER: **SDLVAC-0120-70** OPTION: **500M105,10DBM,MH**
 DATE: **01/24/2006** SERIAL NUMBER: **PM510332**

RF POWER IN (dBm)	500 MHz		1000 MHz		1500 MHz	
	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)	VIDEO OUT (VOLTS)	LIMITED IF OUT (dBm)
5	1.908	10.23	1.734	10.13	1.546	10.1
0	1.789	10.23	1.62	10.13	1.437	10.09
-5	1.658	10.23	1.502	10.13	1.333	10.09
-10	1.504	10.23	1.359	10.13	1.211	10.08
-15	1.369	10.23	1.233	10.13	1.096	10.08
-20	1.214	10.23	1.095	10.13	0.976	10.08
-25	1.103	10.23	0.987	10.12	0.869	10.08
-30	0.923	10.23	0.829	10.12	0.73	10.07
-35	0.817	10.22	0.728	10.12	0.635	10.07
-40	0.658	10.22	0.582	10.12	0.499	10.07
-45	0.532	10.23	0.465	10.11	0.39	10.07
-50	0.384	10.24	0.319	10.11	0.272	10.06
-55	0.254	10.24	0.198	10.1	0.163	10
-60	0.099	10.21	0.064	10.04	0.027	9.74
-65	0.005	9.99	-0.018	9.51	-0.044	9.01
DC POWER @ + 5 VOLTS	+132 mA					
DC POWER @ - 5 VOLTS	-139 mA					
LOG SLOPE						
BEST FIT STRAIGHT LINE	27.7643	mV/dB	25.6207	mV/dB	23.2157	mV/dB
LOG ERROR IN dB @ -65 . +5 dB	1.04		1.26		1.11	
LOG ERROR IN dB @ -60 . 0 dB	-0.89		-0.68		-0.83	
FREQUENCY FLATNESS						
LOG VIDEO FROM THE VALUE @ 1 GHz IN dB						



PLANAR MONOLITHICS INDUSTRIES
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TABULATED TEST DATA @ 500 MHz, 1000 MHz AND 1500 MHz @ +25 DEGREES C

TECHNICIAN: R.A.FABLE MODEL NUMBER: SDLVAC-0120-70 OPTION: 500M105,10DBM,MH
DATE: 01/24/2006 SERIAL NUMBER: PM510332

LOT OF LOG SLOPE OVER FREQUENCY

