

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4352
 TESTED BY: H. HAHN
 DATE: 12/AUG/2008



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

Frequency

0.30 INTERCEPT (mV) 1612
 SLOPE (mV/dB) 27.64
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1551
 SLOPE (mV/dB) 26.28
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1457
 SLOPE (mV/dB) 24.55
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.80
 LINEARITY(-65 TO +5dBm) ± 0.83
 FREQUENCY FLATNESS ± 3.19

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-182	-57	92	240	362	512	648	775	928	1055	1190	1345	1473	1626	1737	Measured Value (mV)
0.30 Error (mV)	3	-11	0	10	-6	5	4	-8	7	-5	-7	9	-1	14	-13	Error (mV)
0.30 Measured Value (mV)	-16.49	-16.24	-16.18	-16.13	-16.09	-16.04	-16.03	-16.02	-16.01	-16.02	-16.03	-16.04	-16.04	-16.04	-16.05	Measured Value (mV)
0.55 Measured Value (mV)	-147	-32	105	240	360	505	633	755	902	1020	1150	1299	1419	1565	1672	Measured Value (mV)
0.55 Error (mV)	10	-7	-1	3	-9	5	1	-8	8	-6	-7	10	-1	14	-11	Error (mV)
0.55 Measured Value (mV)	-16.41	-16.26	-16.17	-16.08	-16.01	-16.01	-16.05	-16.06	-16.06	-16.08	-16.08	-16.08	-16.07	-16.08	-16.11	Measured Value (mV)
0.80 Measured Value (mV)	-119	-9	112	227	333	468	589	706	846	958	1082	1222	1336	1477	1578	Measured Value (mV)
0.80 Error (mV)	20	7	6	-2	-19	-7	-8	-14	2	-8	-6	10	2	20	-2	Error (mV)
0.80 Measured Value (mV)	-16.33	-16.20	-16.15	-16.13	-16.08	-16.02	-16.05	-16.07	-16.10	-16.11	-16.11	-16.10	-16.10	-16.12	-16.16	Measured Value (mV)

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.60V

INPUT VSWR 2:1 MAX @ 25C
 1.19:1

IF OUTPUT VSWR 2:1 MAX @ 25C
 1.34:1

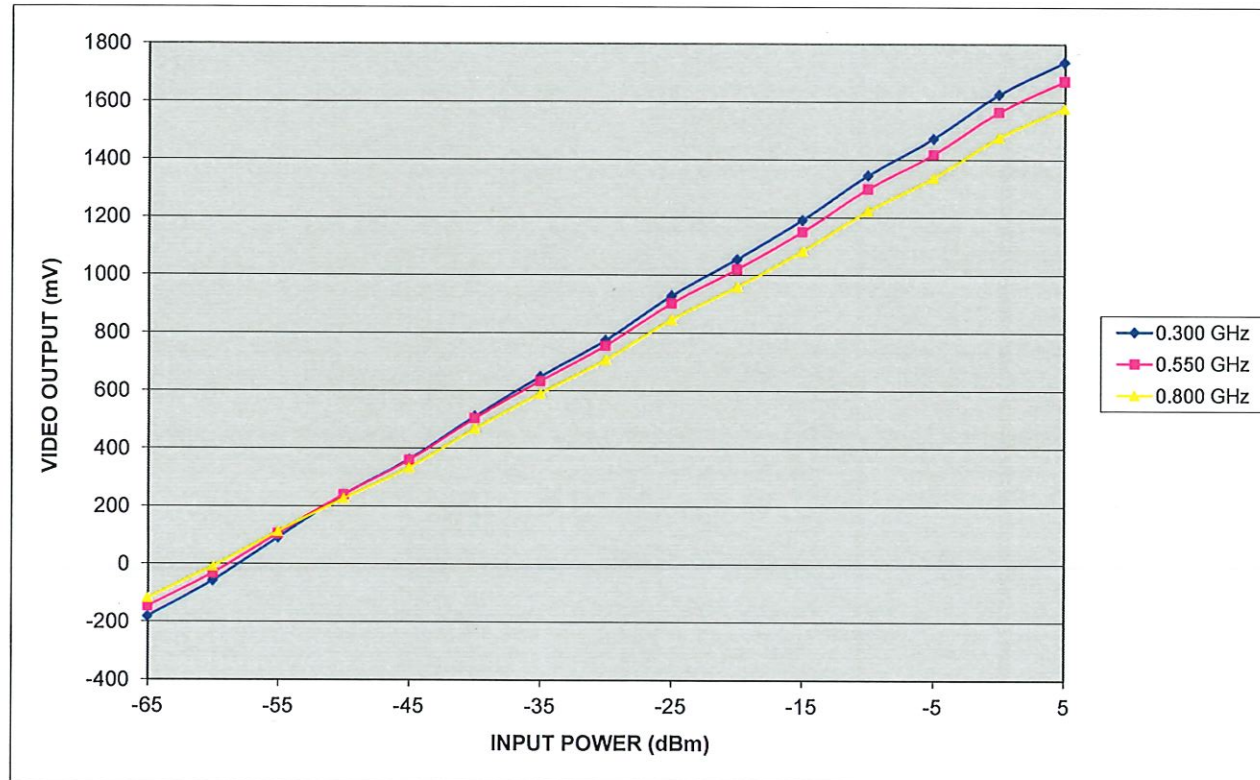
VIDEO RISE TIME 25 nS MAX @ 25C
 18 nS

VIDEO FALL TIME 80 nS MAX @ 25C
 24 nS

PROPAGATION DELAY 40 nS MAX @ 25C
 8 nS

+5 V @ 70 mA MAX 30 mA

-5.2 V @ 200 mA MAX 118 mA



LIMITED IF OUTPUT MAX -16.01 dBm
 LIMITED IF OUTPUT MIN -16.49 dBm
 LIMITED IF FLATNESS ± 0.24 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
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Frequency

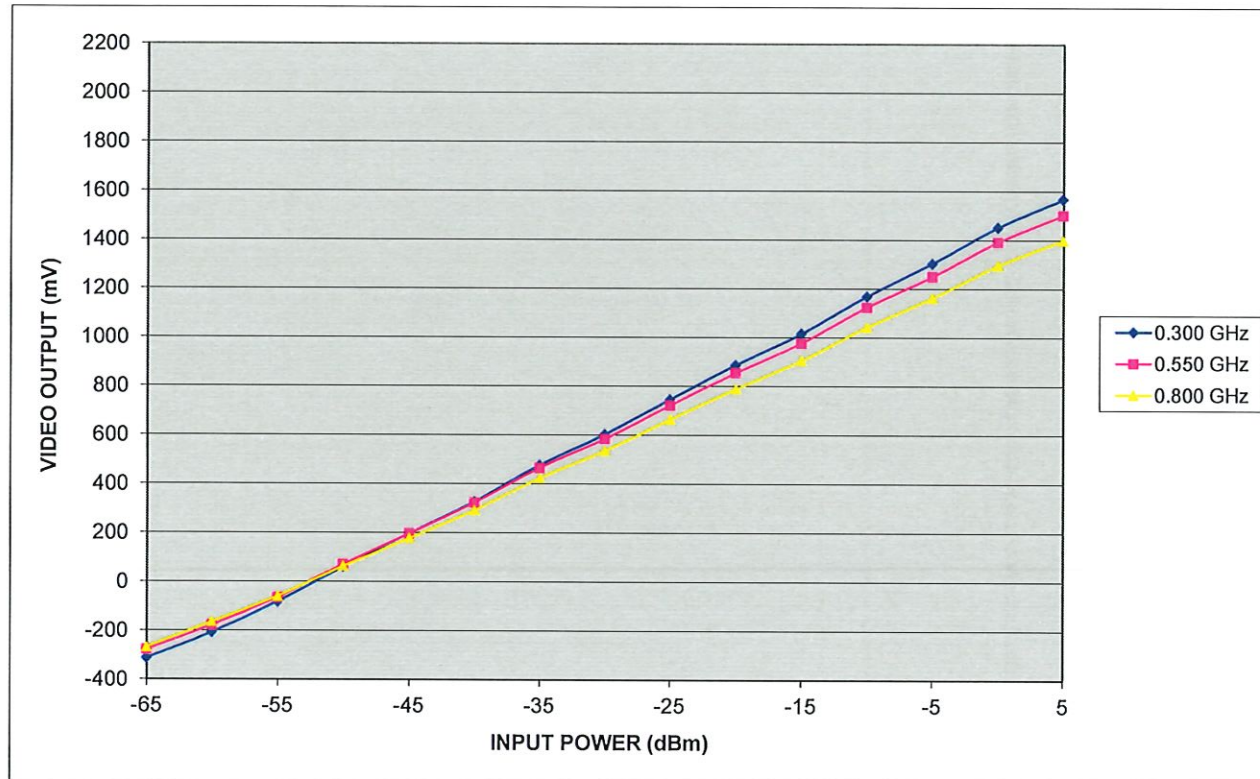
0.30 INTERCEPT (mV) 1434
 SLOPE (mV/dB) 27.37
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1374
 SLOPE (mV/dB) 25.96
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1276
 SLOPE (mV/dB) 24.21
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.80
 LINEARITY(-65 TO +5dBm) ± 1.32
 FREQUENCY FLATNESS ± 3.35

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-313	-208	-83	61	196	325	475	602	745	886	1015	1168	1303	1452	1667	Measured Value (mV)
0.30 Error (mV)	32	0	-11	-5	-6	-13	0	-11	-5	-1	-8	8	6	18	-4	Error (mV)
0.30 Limited If Output (dBm)	-16.93	-16.34	-16.09	-15.97	-15.89	-15.84	-15.80	-15.78	-15.77	-15.78	-15.78	-15.79	-15.79	-15.80	-15.80	Measured Value (mV)
0.55 Measured Value (mV)	-279	-180	-66	70	196	322	464	583	721	854	976	1124	1250	1392	1502	Measured Value (mV)
0.55 Error (mV)	34	4	-12	-6	-10	-14	-1	-12	-4	-1	-9	9	5	18	-2	Error (mV)
0.55 Limited If Output (dBm)	-16.72	-16.31	-16.09	-15.96	-15.87	-15.82	-15.81	-15.83	-15.84	-15.85	-15.85	-15.85	-15.85	-15.86	-15.89	Measured Value (mV)
0.80 Measured Value (mV)	-270	-166	-61	63	177	290	422	534	663	787	904	1042	1161	1295	1399	Measured Value (mV)
0.80 Error (mV)	28	11	-5	-3	-9	-17	-6	-15	-8	-4	-9	8	7	19	2	Error (mV)
0.80 Limited If Output (dBm)	-16.61	-16.20	-16.02	-15.92	-15.88	-15.88	-15.88	-15.89	-15.90	-15.90	-15.91	-15.91	-15.91	-15.93	-15.97	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.77 dBm
 LIMITED IF OUTPUT MIN -16.93 dBm
 LIMITED IF FLATNESS ± 0.58 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4352
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Frequency

0.30 INTERCEPT (mV) 1413
 SLOPE (mV/dB) 27.4
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1354
 SLOPE (mV/dB) 25.98
 LIMITED IF OUTPUT (dBm)

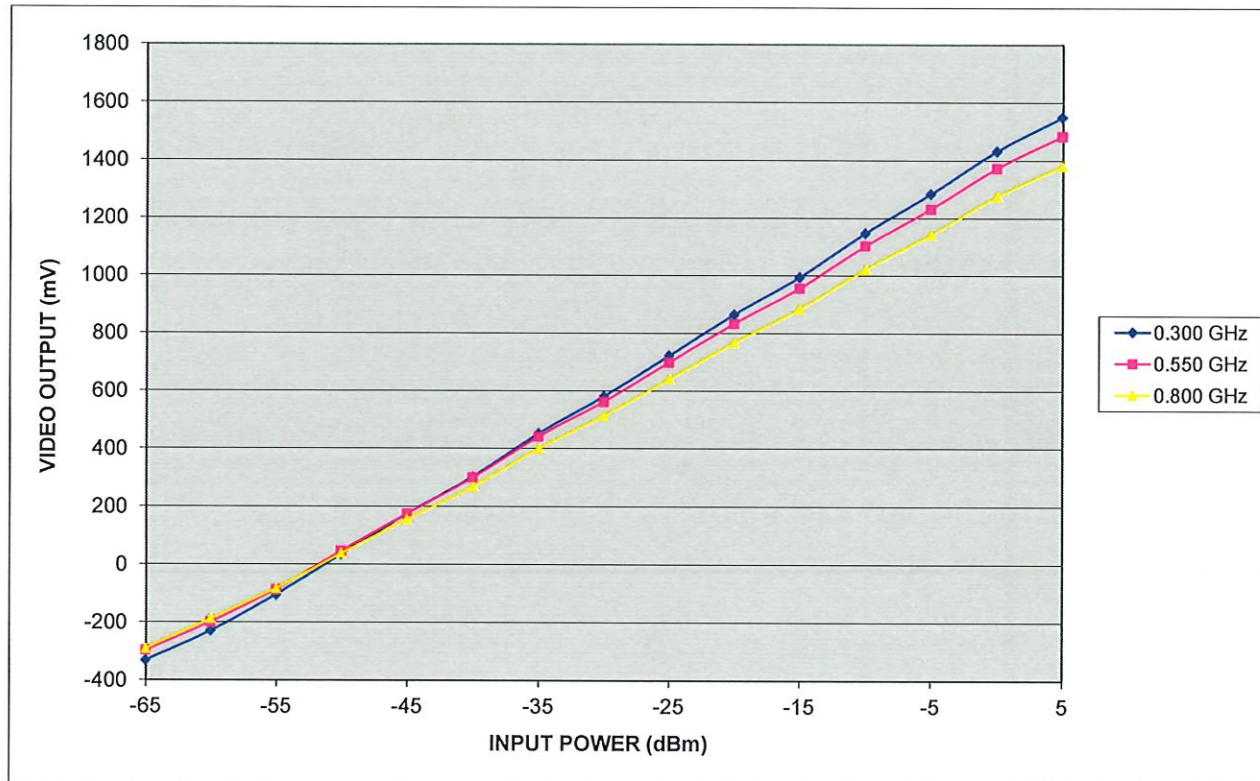
0.80 INTERCEPT (mV) 1255
 SLOPE (mV/dB) 24.25
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.79
 LINEARITY(-65 TO +5dBm) ± 1.42
 FREQUENCY FLATNESS ± 3.37

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.52V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-332	-230	-105	36	174	302	452	581	722	865	994	1147	1283	1432	1548	Measured Value (mV)
0.30 Error (mV)	36	1	-11	-7	-6	-15	-2	-11	-6	0	-8	8	6	18	-3	Error (mV)
0.30 Limited If Output (dBm)	-17.06	-16.41	-16.12	-15.99	-15.91	-15.85	-15.81	-15.80	-15.79	-15.79	-15.79	-15.80	-15.80	-15.80	-15.81	Limited If Output (dBm)
0.55 Measured Value (mV)	-298	-200	-87	46	175	299	442	563	698	833	955	1102	1230	1372	1482	Measured Value (mV)
0.55 Error (mV)	37	5	-12	-8	-10	-15	-2	-12	-6	-1	-8	9	6	18	-1	Error (mV)
0.55 Limited If Output (dBm)	-16.81	-16.36	-16.12	-15.98	-15.89	-15.83	-15.82	-15.83	-15.84	-15.85	-15.86	-15.86	-15.86	-15.87	-15.90	Limited If Output (dBm)
0.80 Measured Value (mV)	-292	-189	-84	38	156	268	400	513	640	766	882	1020	1141	1274	1379	Measured Value (mV)
0.80 Error (mV)	29	11	-5	-4	-8	-17	-6	-14	-9	-4	-9	8	7	19	3	Error (mV)
0.80 Limited If Output (dBm)	-16.71	-16.25	-16.05	-15.93	-15.89	-15.89	-15.89	-15.90	-15.91	-15.91	-15.91	-15.92	-15.92	-15.94	-15.97	Limited If Output (dBm)



LIMITED IF OUTPUT MAX -15.79 dBm
 LIMITED IF OUTPUT MIN -17.06 dBm
 LIMITED IF FLATNESS ± 0.64 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4352
 TESTED BY: H. HAHN
 DATE: 12/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1916
 SLOPE (mV/dB) 28.83
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1855
 SLOPE (mV/dB) 27.74
 LIMITED IF OUTPUT (dBm)

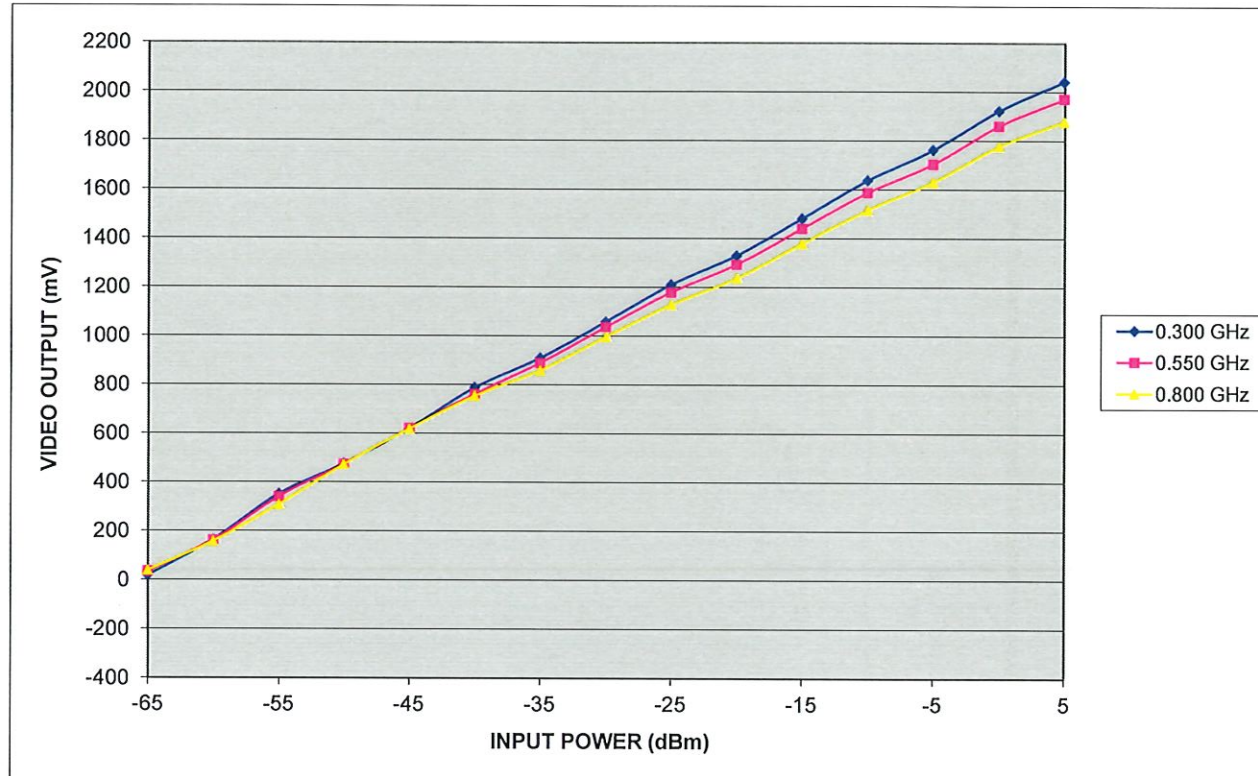
0.80 INTERCEPT (mV) 1773
 SLOPE (mV/dB) 26.35
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.32
 LINEARITY(-65 TO +5dBm) ± 1.32
 FREQUENCY FLATNESS ± 3.26

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.66V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	18	164	351	474	620	787	909	1058	1211	1330	1481	1636	1761	1922	2040	
0.30 Error (mV)	-24	-21	21	0	2	25	3	7	16	-9	-2	8	-11	6	-20	
0.30 Measured Value (mV)	-15.76	-15.73	-15.84	-15.91	-15.98	-16.04	-16.07	-16.04	-16.05	-16.08	-16.10	-16.11	-16.12	-16.12	-16.12	
0.55 Measured Value (mV)	34	161	340	473	620	761	889	1037	1179	1292	1440	1586	1703	1860	1970	
0.55 Error (mV)	-19	-30	10	5	13	15	4	14	18	-8	1	9	-13	4	-23	
0.55 Measured Value (mV)	-15.72	-15.72	-15.74	-15.84	-15.98	-15.95	-15.90	-15.99	-16.05	-16.07	-16.07	-16.06	-16.05	-16.05	-16.07	
0.80 Measured Value (mV)	37	167	307	472	618	753	857	996	1128	1236	1378	1515	1629	1776	1877	
0.80 Error (mV)	-23	-35	-17	16	31	34	7	13	13	-10	0	5	-12	3	-27	
0.80 Measured Value (mV)	-15.70	-15.71	-15.76	-15.97	-15.97	-16.01	-15.91	-15.89	-15.95	-15.98	-15.97	-15.97	-15.97	-16.02	-16.11	



LIMITED IF OUTPUT MAX -15.70 dBm
 LIMITED IF OUTPUT MIN -16.12 dBm
 LIMITED IF FLATNESS ± 0.21 dBm