

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4353
 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) 1662
 SLOPE (mV/dB) 28.03
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1596
 SLOPE (mV/dB) 26.63
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1499
 SLOPE (mV/dB) 24.9
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.79
 LINEARITY(-65 TO +5dBm) ± 0.79
 FREQUENCY FLATNESS ± 3.34

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-161	-31	123	271	395	549	683	812	968	1095	1234	1391	1519	1675	1789	Measured Value (mV)
0.30 Error (mV)	-1	-11	3	11	-5	8	2	-9	8	-6	-8	9	-2	13	-13	Error (mV)
0.30 Limited IF Output (dBm)	-16.28	-16.13	-16.12	-16.09	-16.05	-16.01	-15.99	-15.98	-15.98	-15.99	-16.00	-16.00	-16.01	-16.01	-16.02	Limited IF Output (dBm)
0.55 Measured Value (mV)	-128	-9	133	267	390	538	664	789	939	1057	1189	1340	1460	1610	1718	Measured Value (mV)
0.55 Error (mV)	7	-8	1	3	-8	7	0	-8	8	-7	-7	10	-2	14	-11	Error (mV)
0.55 Limited IF Output (dBm)	-16.23	-16.15	-16.11	-16.02	-15.95	-15.96	-16.01	-16.02	-16.02	-16.03	-16.04	-16.03	-16.03	-16.04	-16.06	Limited IF Output (dBm)
0.80 Measured Value (mV)	-102	12	138	250	359	498	620	739	880	993	1119	1260	1376	1518	1622	Measured Value (mV)
0.80 Error (mV)	18	7	8	-4	-20	-5	-8	-13	4	-8	-6	10	1	19	-2	Error (mV)
0.80 Limited IF Output (dBm)	-16.18	-16.09	-16.06	-16.06	-16.01	-15.94	-15.99	-16.02	-16.04	-16.05	-16.05	-16.04	-16.04	-16.05	-16.10	Limited IF Output (dBm)

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.7V

INPUT VSWR 1.11:1
 2:1 MAX @ 25C

IF OUTPUT VSWR 1.25:1
 2:1 MAX @ 25C

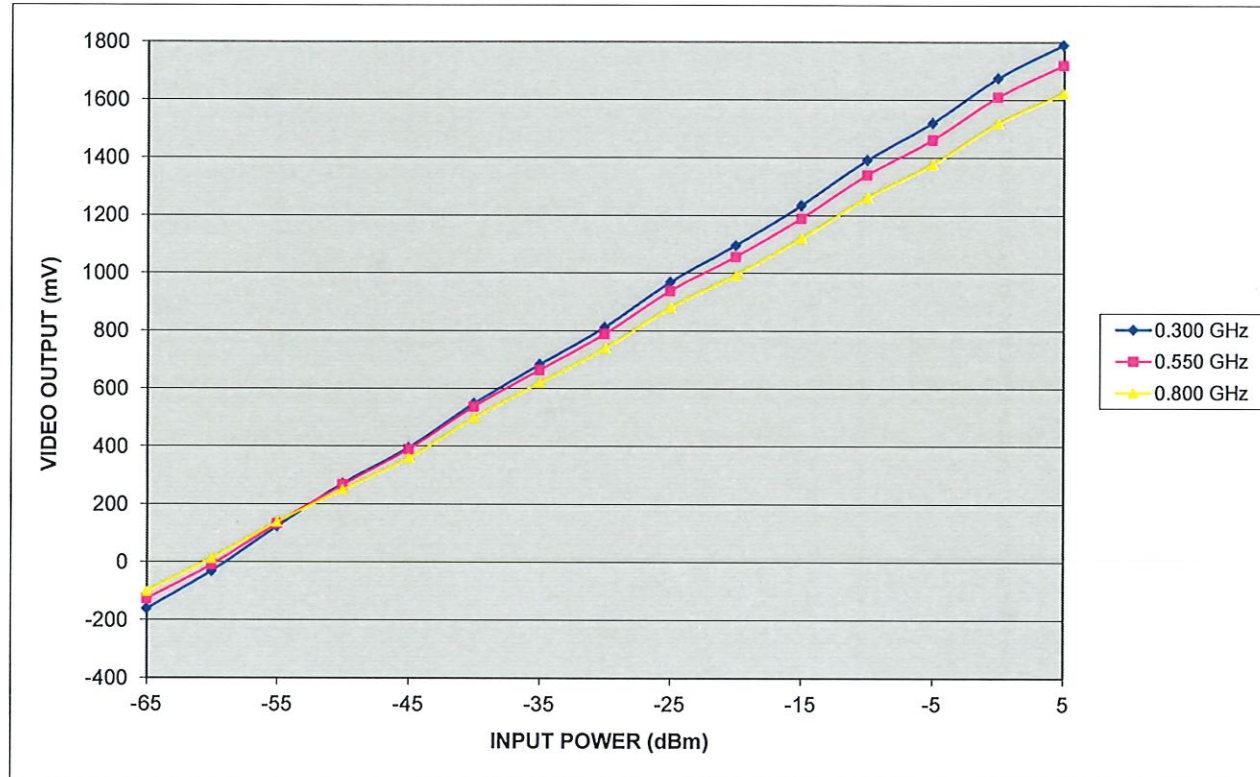
VIDEO RISE TIME 18 nS
 25 nS MAX @ 25C

VIDEO FALL TIME 30 nS
 80 nS MAX @ 25C

PROPAGATION DELAY 8 nS
 40 nS MAX @ 25C

+5 V @ 70 mA MAX 31 mA

-5.2 V @ 200 mA MAX 117 mA



LIMITED IF OUTPUT MAX -15.94 dBm
 LIMITED IF OUTPUT MIN -16.28 dBm
 LIMITED IF FLATNESS ± 0.17 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
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Frequency

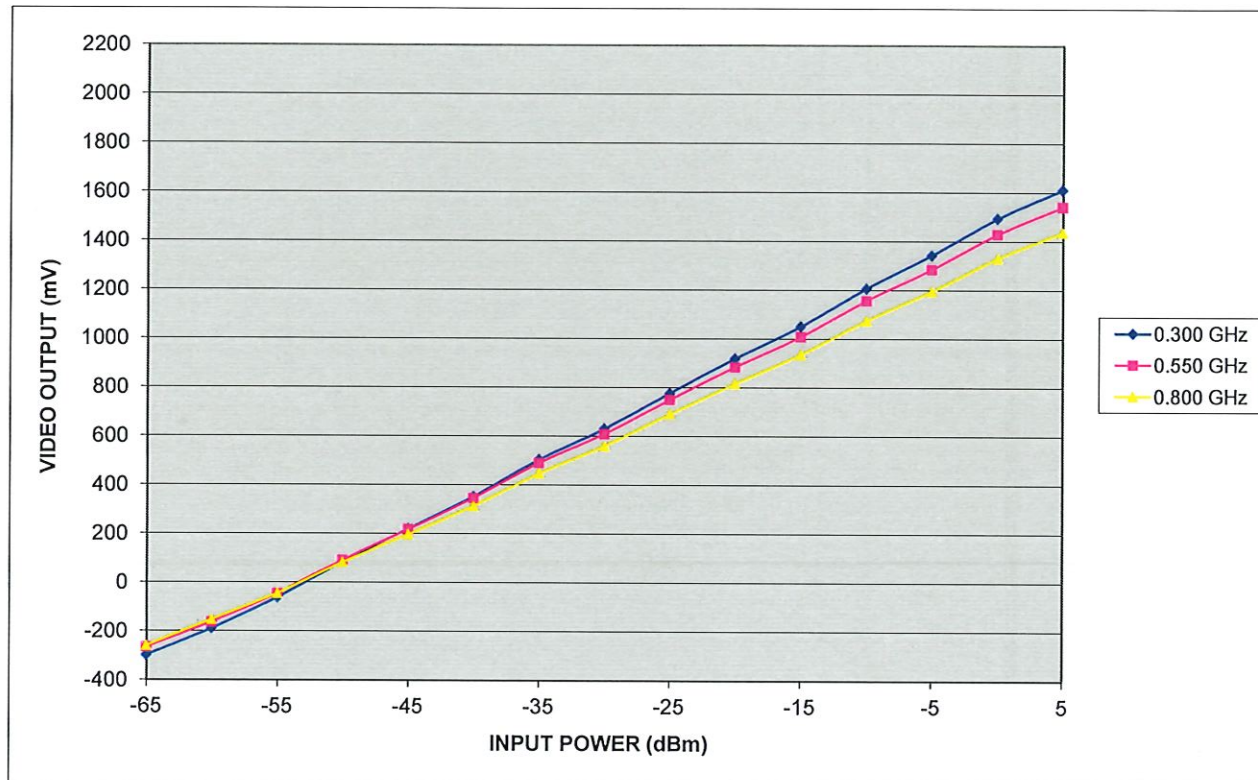
0.30 INTERCEPT (mV) 1475
 SLOPE (mV/dB) 27.76
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1411
 SLOPE (mV/dB) 26.31
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1310
 SLOPE (mV/dB) 24.57
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.77
 LINEARITY(-65 TO +5dBm) ± 1.26
 FREQUENCY FLATNESS ± 3.50

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-299	-189	-62	85	219	352	503	630	776	919	1050	1206	1342	1493	1611	Measured Value (mV)
0.30 Error (mV)	31	1	-11	-2	-6	-13	0	-12	-5	-1	-9	8	5	18	-3	Error (mV)
0.30 Limited If Output (dBm)	-16.77	-16.24	-16.02	-16.91	-15.84	-16.78	-16.76	-15.73	-16.73	-16.73	-16.74	-16.74	-16.74	-16.75	-16.75	Measured Value (mV)
0.55 Measured Value (mV)	-266	-164	-47	91	217	346	489	609	749	883	1008	1157	1285	1429	1541	Measured Value (mV)
0.55 Error (mV)	33	4	-11	-4	-10	-13	-1	-13	-4	-2	-9	9	5	18	-2	Error (mV)
0.55 Limited If Output (dBm)	-16.69	-16.22	-16.02	-16.89	-15.80	-16.76	-16.76	-16.77	-16.78	-16.79	-16.80	-16.80	-16.80	-16.81	-16.83	Measured Value (mV)
0.80 Measured Value (mV)	-260	-154	-45	82	196	312	445	558	689	815	933	1073	1194	1329	1436	Measured Value (mV)
0.80 Error (mV)	26	10	-5	0	-9	-16	-5	-16	-7	-4	-9	8	6	19	3	Error (mV)
0.80 Limited If Output (dBm)	-16.60	-16.11	-16.93	-15.83	-15.80	-16.80	-16.80	-16.82	-16.83	-16.83	-16.83	-16.84	-16.84	-16.86	-16.89	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.73 dBm
 LIMITED IF OUTPUT MIN -16.77 dBm
 LIMITED IF FLATNESS ± 0.52 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4353
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Frequency

0.30 INTERCEPT (mV) 1451
 SLOPE (mV/dB) 27.74
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1387
 SLOPE (mV/dB) 26.24
 LIMITED IF OUTPUT (dBm)

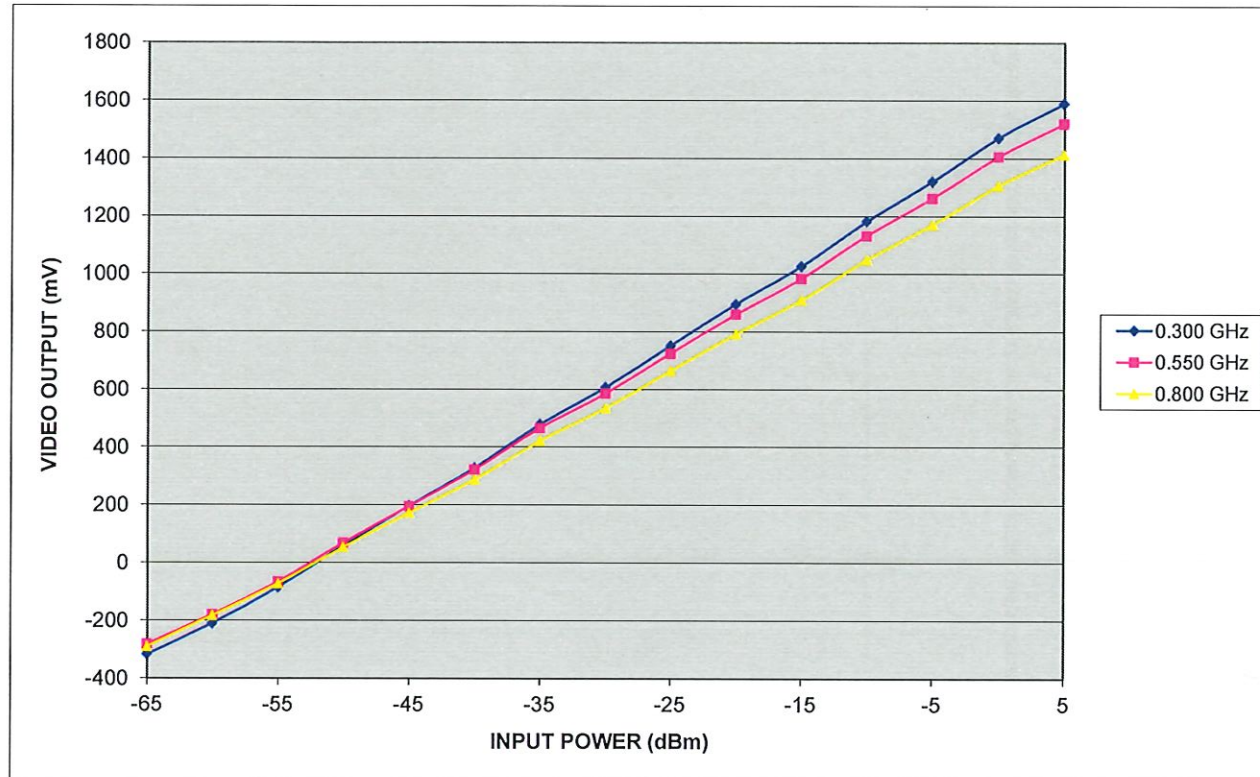
0.80 INTERCEPT (mV) 1288
 SLOPE (mV/dB) 24.66
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.74
 LINEARITY(-65 TO +5dBm) ± 1.41
 FREQUENCY FLATNESS ± 3.52

TSS 95C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.6V

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-317	-210	-85	59	196	327	478	607	751	895	1026	1182	1319	1470	1589	Measured Value (mV)
0.30 Error (mV)	35	3	-11	-6	-7	-15	-2	-12	-7	-1	-9	8	6	19	-1	Error (mV)
0.30 Limited If Output (dBm)	-16.92	-16.36	-16.11	-15.99	-15.90	-15.85	-15.81	-15.79	-15.79	-15.79	-15.79	-15.80	-15.80	-15.80	-15.80	Measured Value (mV)
0.55 Measured Value (mV)	-282	-181	-67	68	195	322	465	586	724	860	984	1133	1262	1406	1519	Measured Value (mV)
0.55 Error (mV)	37	7	-11	-7	-11	-16	-3	-14	-7	-2	-9	9	6	19	1	Error (mV)
0.55 Limited If Output (dBm)	-16.70	-16.30	-16.09	-15.96	-15.87	-15.82	-15.82	-15.83	-15.84	-15.85	-15.86	-15.86	-15.86	-15.87	-15.90	Measured Value (mV)
0.80 Measured Value (mV)	-291	-183	-73	53	172	286	420	534	664	791	909	1048	1170	1305	1413	Measured Value (mV)
0.80 Error (mV)	24	9	-5	-2	-6	-15	-4	-14	-7	-3	-9	7	6	18	2	Error (mV)
0.80 Limited If Output (dBm)	-16.71	-16.24	-16.03	-15.91	-15.87	-15.87	-15.87	-15.88	-15.89	-15.90	-15.90	-15.90	-15.91	-15.93	-15.97	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.79 dBm
 LIMITED IF OUTPUT MIN -16.92 dBm
 LIMITED IF FLATNESS ± 0.56 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4353
 TESTED BY: H. HAHN
 DATE: 12/AUG/2008



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Frequency

0.30 INTERCEPT (mV) 1968
 SLOPE (mV/dB) 29.39
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1903
 SLOPE (mV/dB) 28.15
 LIMITED IF OUTPUT (dBm)

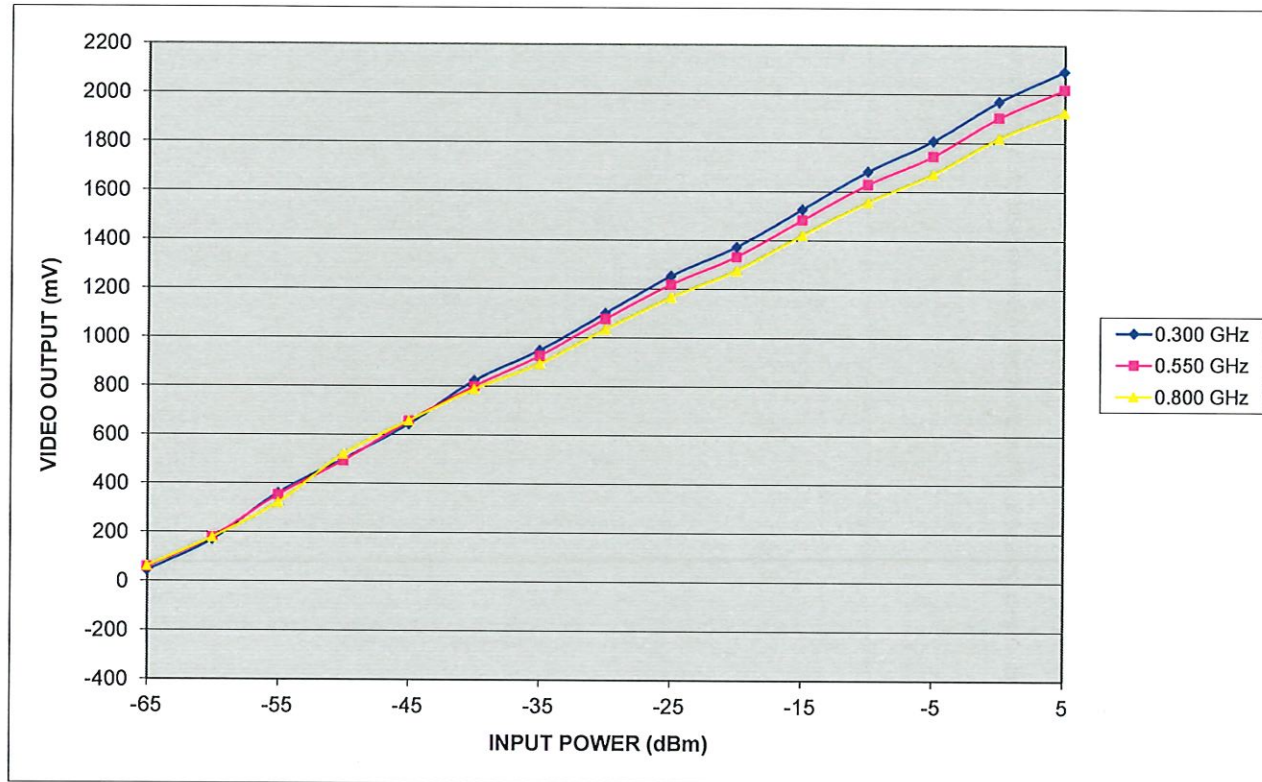
0.80 INTERCEPT (mV) 1818
 SLOPE (mV/dB) 26.64
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 1.52
 LINEARITY(-65 TO +5dBm) ± 1.52
 FREQUENCY FLATNESS ± 3.38

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	44	170	360	500	644	823	948	1100	1253	1373	1527	1682	1807	1969	2093	
0.30 Error (mV)	-13	-34	9	1	-1	31	8	14	20	-8	0	8	-14	1	-22	
0.30 Limited IF Output (dBm)	-15.34	-15.38	-15.56	-15.68	-15.74	-15.84	-15.89	-15.84	-15.85	-15.88	-15.90	-15.91	-15.92	-15.92	-15.92	
0.55 Measured Value (mV)	58	179	354	494	657	799	925	1077	1218	1332	1483	1629	1746	1904	2019	
0.55 Error (mV)	-15	-35	-1	-2	21	23	7	19	19	-8	2	8	-16	1	-25	
0.55 Limited IF Output (dBm)	-15.32	-15.40	-15.49	-15.59	-15.76	-15.75	-15.73	-15.80	-15.84	-15.86	-15.86	-15.85	-15.84	-15.84	-15.86	
0.80 Measured Value (mV)	61	179	322	520	657	788	892	1033	1165	1275	1419	1555	1670	1819	1923	
0.80 Error (mV)	-25	-41	-31	34	38	36	6	15	13	-10	1	4	-14	1	-27	
0.80 Limited IF Output (dBm)	-15.33	-15.39	-15.48	-15.77	-15.73	-15.81	-15.74	-15.72	-15.75	-15.77	-15.76	-15.75	-15.76	-15.79	-15.87	

TSS -54C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.7V



LIMITED IF OUTPUT MAX -15.32 dBm
 LIMITED IF OUTPUT MIN -15.92 dBm
 LIMITED IF FLATNESS ± 0.30 dBm