

LOG TRANSFER WITH FREQUENCY @ 25 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4335
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008



PLANAR MONOLITHICS INDUSTRIES
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 ISO 9001:2000 CERTIFIED

Frequency

0.30 INTERCEPT (mV) 1623
 SLOPE (mV/dB) 27.8
 LIMITED IF OUTPUT (dBm)

0.55 INTERCEPT (mV) 1559
 SLOPE (mV/dB) 26.4
 LIMITED IF OUTPUT (dBm)

0.80 INTERCEPT (mV) 1464
 SLOPE (mV/dB) 24.7
 LIMITED IF OUTPUT (dBm)

LINEARITY(-60 TO 0dBm) ± 0.81
 LINEARITY(-65 TO +5dBm) ± 0.81
 FREQUENCY FLATNESS ± 3.26

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-184	-56	95	244	366	518	653	780	935	1061	1198	1354	1482	1636	1749	
0.30 Error (mV)	1	-11	2	11	-5	7	3	-9	7	-5	-8	9	-1	13	-13	
0.30 Limited IF Output (dBm)	-16.43	-16.17	-16.11	-16.07	-16.03	-15.99	-15.97	-15.97	-15.97	-15.97	-15.98	-15.99	-15.99	-15.99	-16.00	
0.55 Measured Value (mV)	-149	-32	107	242	363	509	636	758	906	1025	1155	1305	1425	1573	1680	
0.55 Error (mV)	8	-7	0	3	-8	6	1	-9	8	-6	-8	10	-2	14	-11	
0.55 Limited IF Output (dBm)	-16.35	-16.19	-16.12	-16.03	-15.97	-15.97	-16.01	-16.02	-16.02	-16.03	-16.04	-16.03	-16.03	-16.04	-16.06	
0.80 Measured Value (mV)	-122	-11	112	225	333	470	592	709	849	962	1087	1227	1342	1483	1586	
0.80 Error (mV)	20	7	6	-4	-20	-6	-7	-14	3	-8	-7	10	2	19	-2	
0.80 Limited IF Output (dBm)	-16.27	-16.14	-16.10	-16.09	-16.04	-15.98	-16.02	-16.05	-16.07	-16.08	-16.08	-16.07	-16.07	-16.08	-16.13	

TSS 25C
 -65dBm MAX -67 dBm

OUTPUT VOLTAGE 25C
 2.7V MAX 2.46V

INPUT VSWR 2:1 MAX @ 25C
 1.18:1

IF OUTPUT VSWR 2:1 MAX @ 25C
 1.32:1

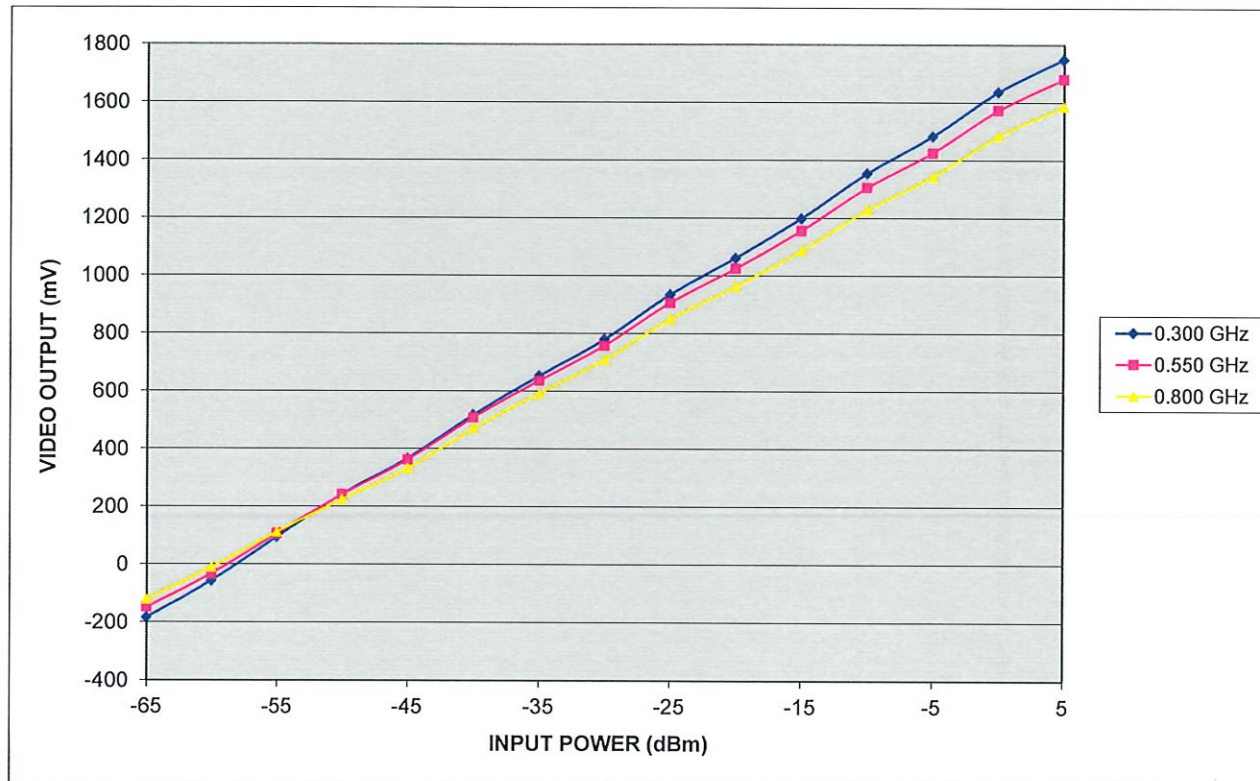
VIDEO RISE TIME 25 nS MAX @ 25C
 18 nS

VIDEO FALL TIME 80 nS MAX @ 25C
 46 nS

PROPAGATION DELAY 40 nS MAX @ 25C
 16 nS

+5 V @ 70 mA MAX 31 mA

-5.2 V @ 200 mA MAX 118 mA



LIMITED IF OUTPUT MAX -15.97 dBm
 LIMITED IF OUTPUT MIN -16.43 dBm
 LIMITED IF FLATNESS ± 0.23 dBm

LOG TRANSFER WITH FREQUENCY @ 85 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. : PL4335
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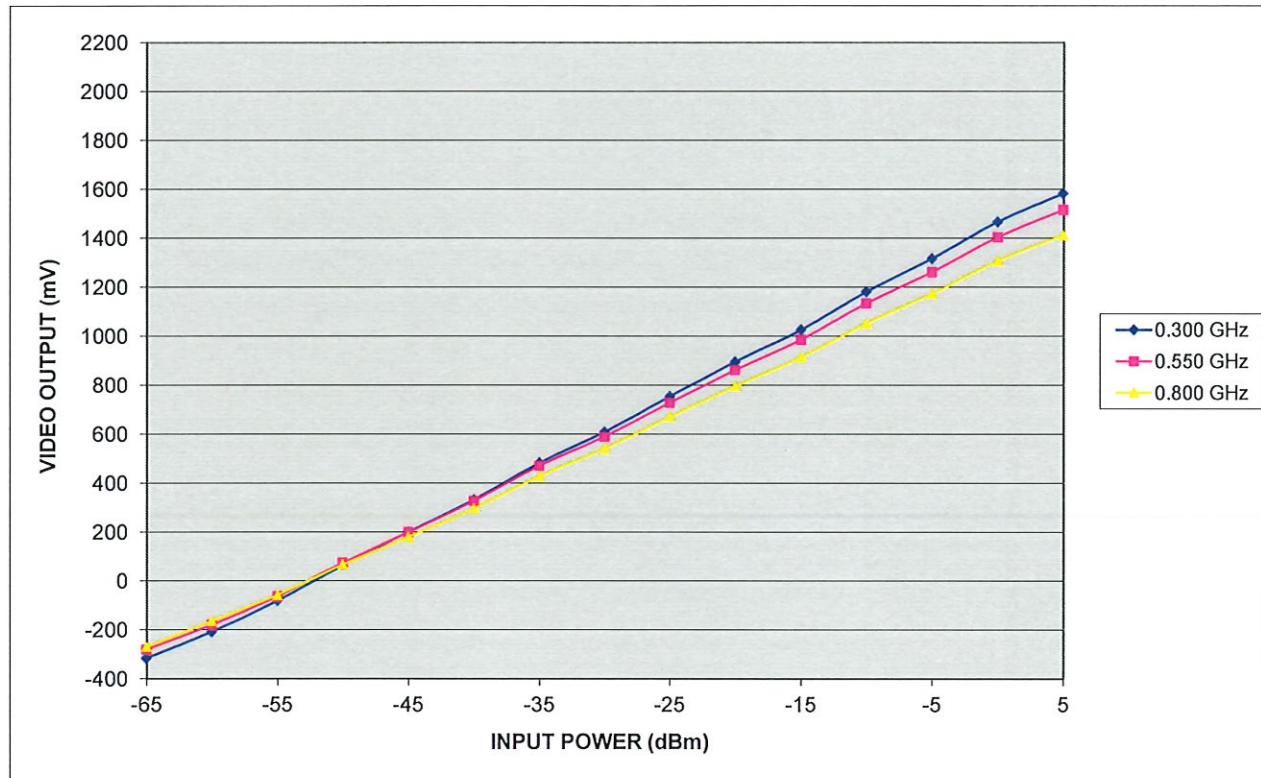


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Frequency

0.30 INTERCEPT (mV) 1449
 SLOPE (mV/dB) 27.61
 LIMITED IF OUTPUT (dBm)
 0.55 INTERCEPT (mV) 1386
 SLOPE (mV/dB) 26.16
 LIMITED IF OUTPUT (dBm)
 0.80 INTERCEPT (mV) 1287
 SLOPE (mV/dB) 24.37
 LIMITED IF OUTPUT (dBm)
 LINEARITY(-60 TO 0dBm) ± 0.80
 LINEARITY(-65 TO +5dBm) ± 1.26
 FREQUENCY FLATNESS ± 3.42

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30 Measured Value (mV)	-316	-209	-81	65	200	331	483	609	753	895	1025	1180	1316	1466	1583	Measured Value (mV)
0.30 Error (mV)	31	0	-11	-3	-6	-13	1	-11	-5	-1	-9	8	5	18	-4	Error (mV)
0.30 Limited IF Output (dBm)	-16.84	-16.25	-16.01	-15.90	-15.82	-15.77	-15.74	-15.73	-15.72	-15.72	-15.73	-15.73	-15.74	-15.74	-15.74	Measured Value (mV)
0.55 Measured Value (mV)	-281	-180	-64	73	199	327	470	589	728	861	984	1133	1260	1404	1515	Measured Value (mV)
0.55 Error (mV)	33	3	-11	-5	-10	-13	0	-12	-4	-2	-9	9	5	18	-2	Error (mV)
0.55 Limited IF Output (dBm)	-16.63	-16.23	-16.02	-15.89	-15.81	-15.77	-15.76	-15.78	-15.79	-15.79	-15.80	-15.80	-15.80	-15.81	-15.83	Measured Value (mV)
0.80 Measured Value (mV)	-270	-165	-59	67	180	295	428	540	670	795	912	1051	1171	1306	1412	Measured Value (mV)
0.80 Error (mV)	27	11	-5	-1	-10	-17	-6	-16	-8	-4	-9	8	6	19	4	Error (mV)
0.80 Limited IF Output (dBm)	-16.51	-16.11	-15.95	-15.87	-15.84	-15.83	-15.84	-15.85	-15.86	-15.86	-15.86	-15.86	-15.87	-15.88	-15.92	Measured Value (mV)



LIMITED IF OUTPUT MAX -15.72 dBm
 LIMITED IF OUTPUT MIN -16.84 dBm
 LIMITED IF FLATNESS ± 0.56 dBm

LOG TRANSFER WITH FREQUENCY @ 95 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4335
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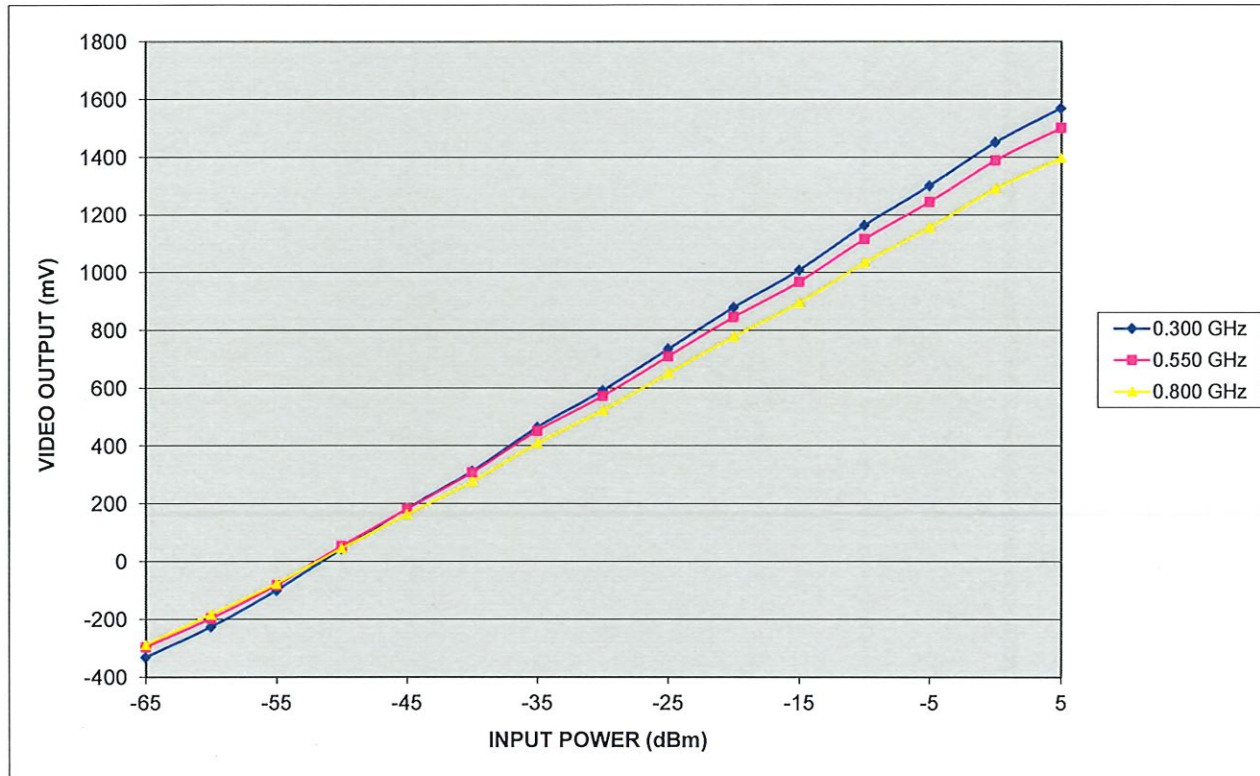


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)	
0.30	INTERCEPT (mV)	1433																Measured Value (mV)
	SLOPE (mV/dB)	27.66																Error (mV)
	LIMITED IF OUTPUT (dBm)																	Measured Value (mV)
0.55	INTERCEPT (mV)	1370																Measured Value (mV)
	SLOPE (mV/dB)	26.19																Error (mV)
	LIMITED IF OUTPUT (dBm)																	Measured Value (mV)
0.80	INTERCEPT (mV)	1271																Measured Value (mV)
	SLOPE (mV/dB)	24.42																Error (mV)
	LIMITED IF OUTPUT (dBm)																	Measured Value (mV)
LINEARITY(-60 TO 0dBm)		± 0.79																
LINEARITY(-65 TO +5dBm)		± 1.35																
FREQUENCY FLATNESS		± 3.45																

TSS 95C
 -65dBm MAX -65 dBm

OUTPUT VOLTAGE 95C
 2.7V MAX 2.36V



LIMITED IF OUTPUT MAX -15.84 dBm
 LIMITED IF OUTPUT MIN -17.07 dBm
 LIMITED IF FLATNESS ± 0.61 dBm

LOG TRANSFER WITH FREQUENCY @ -54 °C
 MODEL: SDLVAC-0120-70M-YK OPTION : RKS-7LW4233-003 SERIAL No. :PL4335
 TESTED BY: H. HAHN
 DATE: 11/AUG/2008

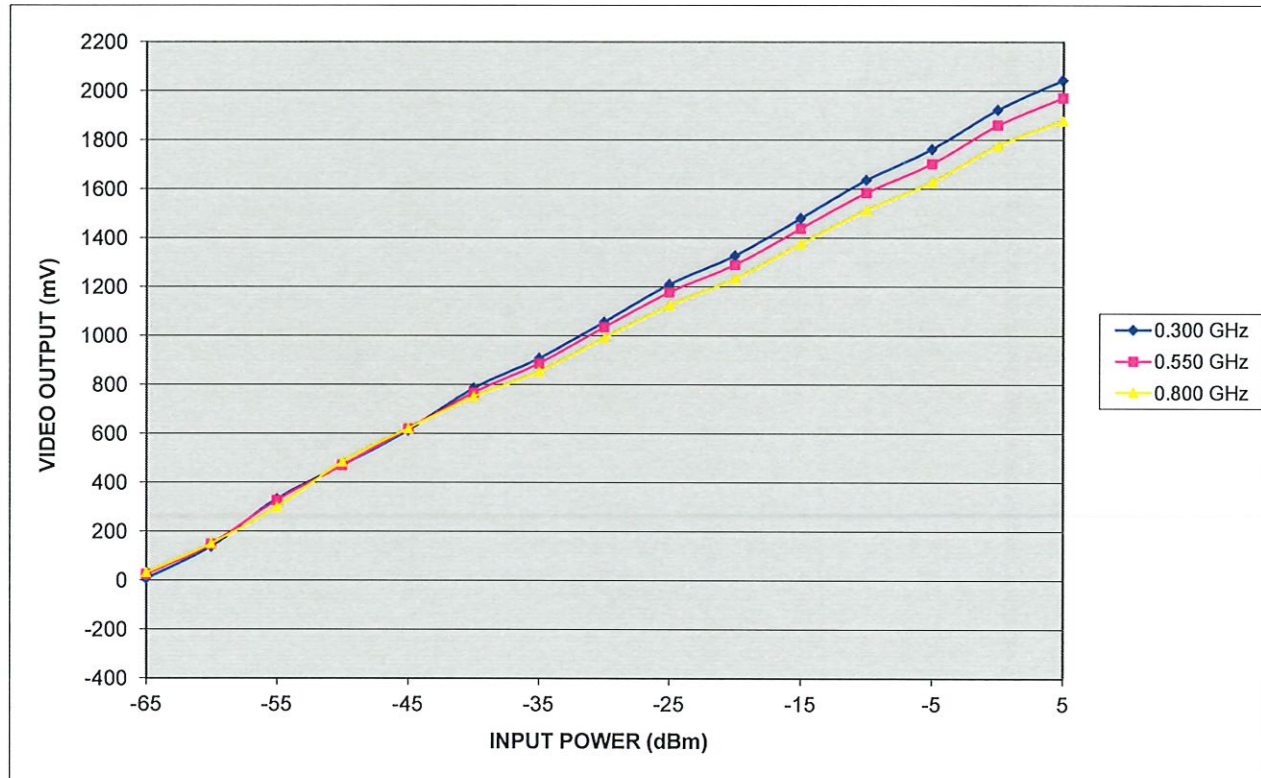


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Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.30	INTERCEPT (mV)	1919															Measured Value (mV)
	SLOPE (mV/dB)	29.11															Error (mV)
	LIMITED IF OUTPUT (dBm)	-15.67	-15.64	-15.73	-15.81	-15.86	-15.92	-15.97	-15.93	-15.93	-15.95	-15.97	-15.97	-15.97	-15.98	-15.98	-15.98
0.55	INTERCEPT (mV)	1856															Measured Value (mV)
	SLOPE (mV/dB)	27.89															Error (mV)
	LIMITED IF OUTPUT (dBm)	-15.62	-15.61	-15.64	-15.73	-15.84	-15.80	-15.82	-15.86	-15.90	-15.91	-15.92	-15.91	-15.90	-15.90	-15.92	Measured Value (mV)
0.80	INTERCEPT (mV)	1771															Measured Value (mV)
	SLOPE (mV/dB)	26.39															Error (mV)
	LIMITED IF OUTPUT (dBm)	-15.61	-15.60	-15.65	-15.86	-15.86	-15.91	-15.86	-15.83	-15.86	-15.87	-15.85	-15.85	-15.86	-15.89	-15.97	Measured Value (mV)
LINEARITY(-60 TO 0dBm)		± 1.46															
LINEARITY(-65 TO +5dBm)		± 1.46															
FREQUENCY FLATNESS		± 3.31															

TSS -54C
 -65dBm MAX -66dBm

OUTPUT VOLTAGE -54C
 2.7V MAX 2.68V



LIMITED IF OUTPUT MAX -15.60 dBm
 LIMITED IF OUTPUT MIN -15.98 dBm
 LIMITED IF FLATNESS ± 0.19 dBm