

MODEL: SDLVA-218-65-16MV-12DBM
 SERIAL NO: PL23272
 DATE: 1-10-19
 TESTED BY: JOHNM
 Test Temp: +25C



PLANAR MONOLITHIC INDUSTRIES
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GRAPH #1

Video Output Voltage With No RF -0.090

Frequency

2 GHz	INTERCEPT (mV)	-1095
	SLOPE (mV/dB)	-15.8

-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
-233	-308	-380	-464	-543	-613	-696	-774	-844	-933	-1025	-1101	-1186	-1248
-8	-4	3	-2	-2	7	4	5	14	4	-9	-6	-12	5
0.51	0.25	-0.20	0.11	0.10	-0.47	-0.23	-0.30	-0.87	-0.25	0.57	0.37	0.75	-0.33

RF Input Power (dBm)

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	0.75	-0.87

6 GHz	INTERCEPT (mV)	-1100
	SLOPE (mV/dB)	-16.6

-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
-179	-264	-355	-451	-536	-603	-678	-764	-840	-933	-1026	-1102	-1190	-1255
9	7	-1	-14	-16	0	7	4	11	1	-9	-2	-7	10
-0.56	-0.43	0.06	0.86	0.98	0.03	-0.45	-0.26	-0.67	-0.06	0.55	0.14	0.45	-0.63

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	0.98	-0.67

10 GHz	INTERCEPT (mV)	-1095
	SLOPE (mV/dB)	-16.2

-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
-199	-285	-364	-452	-540	-613	-687	-770	-843	-931	-1018	-1092	-1180	-1254
6	1	3	-5	-12	-4	3	1	9	2	-4	3	-5	2
-0.36	-0.04	-0.16	0.28	0.72	0.23	-0.19	-0.06	-0.55	-0.11	0.27	-0.16	0.28	-0.14

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	0.72	-0.55

14 GHz	INTERCEPT (mV)	-1088
	SLOPE (mV/dB)	-16.7

-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
-161	-243	-329	-428	-531	-600	-667	-744	-818	-904	-1000	-1089	-1185	-1260
6	8	6	-10	-29	-14	3	9	19	17	4	-1	-13	-5
-0.37	-0.47	-0.34	0.58	1.73	0.85	-0.15	-0.55	-1.13	-0.99	-0.26	0.06	0.79	0.27

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	1.73	-1.13

18 GHz	INTERCEPT (mV)	-1064
	SLOPE (mV/dB)	-15.6

-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
-198	-284	-362	-458	-547	-604	-668	-746	-801	-884	-980	-1068	-1157	-1233
10	1	1	-17	-28	-7	7	6	29	24	6	-4	-15	-13
-0.61	-0.09	-0.08	1.08	1.80	0.46	-0.43	-0.42	-1.88	-1.55	-0.39	0.26	0.98	0.86

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	1.80	-1.88

Flatness +/- dB	
Max Video Output Volts	
Min Video Output Volts	

2.20	2.00	1.60	1.10	0.50	0.40	0.90	0.90	1.30	1.50	1.40	1.10	1.00	0.80
-0.161	-0.243	-0.329	-0.428	-0.531	-0.600	-0.667	-0.744	-0.801	-0.884	-0.980	-1.068	-1.157	-1.233
-0.233	-0.308	-0.380	-0.464	-0.547	-0.613	-0.696	-0.774	-0.844	-0.933	-1.026	-1.102	-1.190	-1.260

Log Slope Average: mV/dB	-16.2
Log Slope Variation: ± mV/dB	0.59

Approved:
[Signature] 1/7/19

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