

Approved:  
  
 11/12/18

LOG TRANSFER WITH FREQUENCY  
 MODEL: SDLVA-2D5G4D9G-45-55MV  
 TESTED BY: JOHNM  
 DATE: 11-2-18  
 SERIAL NO: PL23273  
 Test Temp: +25C

GRAPH # 3



PLANAR MONOLITHICS INDUSTRIES  
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Frequency

2.5 GHz	INTERCEPT (mV)	3026
	SLOPE (mV/dB)	54.8

2.9 GHz	INTERCEPT (mV)	3024
	SLOPE (mV/dB)	54.6

3.3 GHz	INTERCEPT (mV)	3028
	SLOPE (mV/dB)	54.8

3.7 GHz	INTERCEPT (mV)	3030
	SLOPE (mV/dB)	54.9

4.1 GHz	INTERCEPT (mV)	3022
	SLOPE (mV/dB)	54.9

4.5 GHz	INTERCEPT (mV)	3017
	SLOPE (mV/dB)	54.7

4.9 GHz	INTERCEPT (mV)	3012
	SLOPE (mV/dB)	54.7

Flatness +/-dB

Slope Avg(mv/dB)	54.8
Slope Min(mv/dB)	54.6
Slope Max(mv/dB)	54.9

V Out Min @ -55dBm	0.013
V Out Max @ -55dBm	0.028
V Avg @ -55dBm	0.024
V Avg @ -10dBm	2.464

Max Delta -55 to -45dBm	0.95	dB
Max Delta -45 to -10dBm	0.95	dB

-55	-50	-45	-40	-35	-30	-25	-20	-15	-10
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13	269	578	861	1103	1365	1658	1932	2214	2473
-1	-19	16	25	-7	-19	1	1	9	-6
-0.03	-0.35	0.29	0.46	-0.12	-0.34	0.01	0.02	0.17	-0.10

X

23	276	572	856	1118	1393	1664	1930	2210	2465
0	-20	3	14	4	6	4	-3	5	-13
-0.01	-0.37	0.06	0.26	0.07	0.11	0.08	-0.05	0.09	-0.24

X

26	272	553	843	1117	1400	1666	1928	2211	2468
10	-18	-11	5	6	15	7	-5	4	-13
0.18	-0.33	-0.20	0.10	0.10	0.27	0.13	-0.09	0.08	-0.23

X

28	271	541	832	1112	1401	1665	1928	2213	2470
17	-14	-19	-2	3	18	7	-4	6	-11
0.31	-0.26	-0.34	-0.04	0.06	0.32	0.13	-0.08	0.11	-0.21

X

26	266	530	818	1094	1384	1656	1923	2209	2465
25	-10	-20	-7	-6	10	7	-1	11	-8
0.45	-0.18	-0.37	-0.13	-0.10	0.17	0.13	-0.01	0.19	-0.15

X

27	267	533	823	1105	1399	1658	1917	2202	2457
19	-14	-22	-5	3	23	9	-6	6	-13
0.35	-0.26	-0.40	-0.10	0.05	0.43	0.16	-0.10	0.11	-0.23

X

22	260	526	817	1097	1393	1654	1912	2197	2451
21	-15	-23	-5	1	23	11	-5	6	-13
0.38	-0.27	-0.41	-0.10	0.02	0.42	0.19	-0.09	0.11	-0.25

X

0.1	0.1	0.5	0.4	0.2	0.3	0.1	0.2	0.2	0.2
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RF Input Power (dBm)

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)

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Error (mV)
LINEARITY ERROR (dB)

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