



Summary Data
For
ERDLVA-8G18G-65-70MV

Customer: _____	Tested By: <u>A. Lopez</u>
SO No: _____	Temperature: <u>+25°C, -10°C, +85°C</u>
Model No: <u>ERDLVA-8G18G-65-70MV</u>	Date <u>7/31/2019</u>
Serial No: <u>PL26056/1931</u>	Drawing No: <u>26933290</u> Rev: <u>A2</u>

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	8 to 18 GHz	8 to 18 GHz	PMI QA1
2	VSWR:	2.3:1 Max @ 50 Ω	2.11:1 @ 50 Ω (RF In) 1.86:1 @ 50 Ω (Bit In)	
3	Input Power Max:	(1) 1 W CW (2) 100 W Peak @ PW = 1 us & Duty Cycle = 1%	(1) 1W CW 2 100 W Peak @ PW = 1 us & Duty Cycle = 1%	
4	Switch Isolation:	60 dB Min (All Ports)	65 dB	
5	Switching Speed:	100 ns Max	42.22 ns	
6	Video Frequency Flatness:	±1.75 dB Max @ 25°C	1.57 dB	
7	TSS:	-71 dBm	-71dBm	PMI QA1



**Summary Data
For
ERDLVA-8G18G-65-70MV**

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
8	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	PMI QA1
9	Log Slope:	70 mV/dB \pm 3 mV/dB	69.80mV/dB	
10	Log Linearity:	\pm 1.0 dB Max	+0.58 / -0.64 dB	
11	Log Accuracy @ 25°C:	\pm 1.75 dB Max	+1.73 / -1.71 dB	
12	Absolute Log Accuracy:	\pm 2.0 dB Max	+1.17 / -1.71 dB	
13	DC Offset:	0 - 100mV	40 mV	
14	Rise Time:	28 ns Max (10% to 90% @ -40 & -10 dBm)	27ns	
15	Fall Time:	300 ns Max (90% to 10% @ -40 & -10 dBm)	140.20 ns	
16	Settling Time:	50 ns Max (From 10% to within 35 mV of final value @ -40 & -10 dBm)	49 ns	
17	Recovery Time:	500 ns Max (From 90% of a -5 dBm, 100us Pulse to within \pm 1 dB of baseline) without Amplitude loss of a following -65 dBm, 100ns Pulse	172 ns	
18	Pulse Width Process Range:	100ns to 100us	100ns to 100us	
19	Video Output Load Impedance:	95 \pm 1 Ω	95 Ω	PMI QA1



Summary Data
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ERDLVA-8G18G-65-70MV

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 88 mV Over Frequency	236 - 411 mV	PMI QA1
21	Video Output Drive Capability:	Driving 100 Ft RG180 into 95 Ω Load	Pass	
22	Pulse Density Capability:	No Pulse Amplitude Loss 20% Duty @ 100ns PW 70% Duty @ 100us PW	20% Duty @ ns PW 70% Duty @ us PW	
23	Noise Level:	30 mV RMS Max	22.4 mV	
24	Pulse Droop @ -65 dBm:	70 mV Max	0 mV	
25	Propogation Delay:	80ns Max (50% RF to 10% Video)	30 ns	
26	CW Immune Power:	TSS to -40 dBm	TSS to -40 dBm	
27	Baseline Shift:	200 mV Max @ -40 dBm CW	180mV	
28	Pulse Amplitude Loss with Pulse @ -30 dBm:	CW @ -50 dBm = No Loss CW @ -40 dBm = 2 dB Max	-50 dBm = 0 dB -40 dBm = 1.70dB	
29	CW Immue Time @ CW = -40 dBm	4ms Max	4 ms	
30	CW Recovery Time @ CW = -40 dBm	120us Max	80 us	
31	DC Power:	+15V (±5%) @ 500 mA Max -15V (±5%) @ 200 mA Max	462 mA 116 mA	PMI QA1

QA/QC Approval:  PMI QA1 Date: 8/1/19

LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV
 TESTED BY: A. LOPEZ
 DATE: 7-31-19
 SERIAL NO: PL26056/1931

Test Temp: +25C

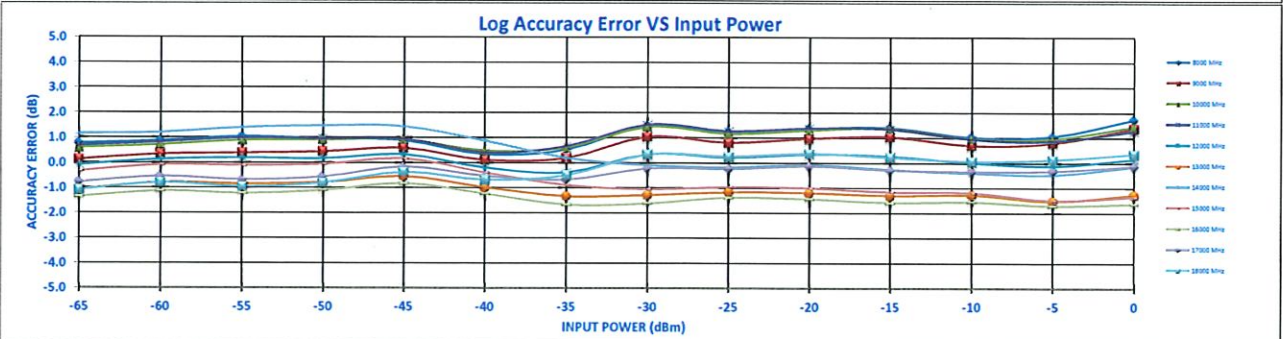
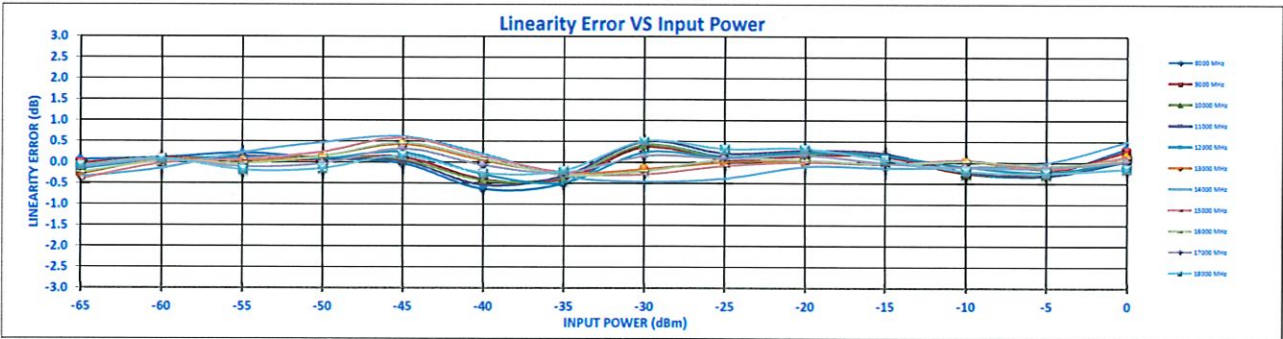


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 4921 Robert J. Mathews Parkway STE 1
 TEL: 916-542-1401 FAX: 301-662-1731
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 ISO 9001:2000 CERTIFIED

DC Offset= 0.040

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4966	384	740	1101	1444	1789	2099	2461	2878	3211	3568	3919	4242	4594	4990	Measured Value (mV)
	SLOPE (mV/dB)	70.55	4	7	16	6	-2	-45	-35	29	9	14	11	-18	-19	24	Error (mV)
			0.06	0.11	0.22	0.08	-0.03	-0.64	-0.50	0.40	0.13	0.19	0.16	-0.26	-0.27	0.34	LINEARITY ERROR (dB)
			0.78	0.87	1.04	0.95	0.89	0.33	0.52	1.49	1.26	1.37	1.39	1.02	1.06	1.73	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4946.5	340	703	1055	1408	1767	2083	2438	2847	3180	3540	3894	4219	4575	4965	Measured Value (mV)
	SLOPE (mV/dB)	70.85	-2	7	5	4	9	-29	-29	26	4	11	10	-19	-17	19	Error (mV)
			-0.03	0.10	0.07	0.06	0.12	-0.41	-0.40	0.36	0.06	0.15	0.15	-0.26	-0.24	0.27	LINEARITY ERROR (dB)
			0.14	0.34	0.38	0.44	0.58	0.48	0.61	1.44	1.17	1.31	1.37	0.70	0.79	1.38	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4960.4	372	730	1091	1441	1791	2109	2467	2875	3205	3564	3917	4238	4587	4971	Measured Value (mV)
	SLOPE (mV/dB)	70.52	5	1	5	7	8	-37	-36	30	2	14	13	-17	-20	10	Error (mV)
			-0.07	0.01	0.13	0.10	0.06	-0.43	-0.35	0.42	0.11	0.20	0.21	-0.24	-0.29	0.14	LINEARITY ERROR (dB)
			0.60	0.72	0.89	0.91	0.93	0.48	0.61	1.44	1.17	1.31	1.37	0.97	0.97	1.45	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4955.5	377	737	1097	1443	1792	2104	2471	2881	3212	3569	3915	4237	4581	4958	Measured Value (mV)
	SLOPE (mV/dB)	70.33	-6	1	10	5	2	-38	-23	35	15	20	15	-16	-23	2	Error (mV)
			-0.09	0.02	0.14	0.07	0.03	-0.54	-0.32	0.50	0.21	0.29	0.21	-0.22	-0.32	0.03	LINEARITY ERROR (dB)
			0.68	0.82	0.98	0.95	0.94	0.40	0.66	1.53	1.27	1.38	1.34	0.94	0.88	1.27	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4877.3	324	689	1042	1389	1750	2062	2398	2798	3139	3497	3840	4171	4512	4880	Measured Value (mV)
	SLOPE (mV/dB)	69.87	-11	4	7	6	17	-21	-33	17	8	17	11	-7	-16	2	Error (mV)
			-0.16	0.05	0.11	0.08	0.24	-0.29	-0.48	0.24	0.12	0.24	0.16	-0.10	-0.24	0.03	LINEARITY ERROR (dB)
			-0.08	0.13	0.19	0.17	0.33	-0.20	-0.38	0.34	0.22	0.35	0.27	0.01	-0.12	0.15	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4770.5	256	624	969	1323	1689	2007	2332	2685	3042	3389	3731	4082	4413	4780	Measured Value (mV)
	SLOPE (mV/dB)	69.16	-20	3	2	10	30	3	-18	-11	0	2	-2	3	-11	10	Error (mV)
			-0.28	0.05	0.03	0.15	0.43	0.04	-0.26	-0.16	0.00	0.02	-0.04	0.04	-0.16	0.14	LINEARITY ERROR (dB)
			-1.06	-0.79	-0.85	-0.78	-0.55	-0.98	-1.33	-1.28	-1.16	-1.19	-1.30	-1.28	-1.52	-1.27	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4824.9	411	763	1126	1480	1827	2137	2439	2768	3111	3468	3803	4143	4487	4859	Measured Value (mV)
	SLOPE (mV/dB)	67.53	-24	-10	15	32	41	13	-23	-31	-26	-7	-9	-7	0	34	Error (mV)
			-0.35	-0.15	0.23	0.47	0.61	0.20	-0.34	-0.46	-0.38	-0.10	-0.13	-0.10	-0.01	0.50	LINEARITY ERROR (dB)
			1.17	1.20	1.40	1.47	1.44	0.88	0.20	-0.09	-0.18	-0.07	-0.27	-0.40	-0.47	-0.15	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4765.9	307	673	1021	1373	1738	2048	2363	2701	3056	3403	3741	4088	4416	4775	Measured Value (mV)
	SLOPE (mV/dB)	68.18	-27	-2	4	17	40	10	-17	-19	-5	0	-3	4	-9	9	Error (mV)
			-0.40	-0.03	0.07	0.24	0.58	0.14	-0.25	-0.29	-0.08	0.00	-0.04	0.05	-0.14	0.13	LINEARITY ERROR (dB)
			-0.33	-0.08	-0.11	-0.06	0.16	-0.39	-0.89	-1.05	-0.96	-1.00	-1.16	-1.19	-1.49	-1.35	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4752.4	236	600	943	1301	1669	1989	2309	2661	3027	3372	3711	4062	4401	4755	Measured Value (mV)
	SLOPE (mV/dB)	69.22	-17	2	-2	9	32	6	-21	-14	5	4	-3	2	-6	3	Error (mV)
			-0.25	0.02	-0.03	0.13	0.46	0.08	-0.30	-0.21	0.08	0.06	-0.04	0.03	-0.08	0.04	LINEARITY ERROR (dB)
			-1.35	-1.13	-1.22	-1.10	-0.82	-1.24	-1.66	-1.61	-1.38	-1.44	-1.58	-1.55	-1.71	-1.63	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4858.4	276	641	981	1338	1715	2039	2378	2759	3107	3463	3802	4146	4498	4860	Measured Value (mV)
	SLOPE (mV/dB)	70.36	-9	4	-3	-2	23	-5	-18	11	7	12	-1	-3	-9	2	Error (mV)
			-0.12	0.06	-0.11	-0.03	0.33	-0.07	-0.25	0.16	0.10	0.17	-0.02	-0.12	-0.13	0.02	LINEARITY ERROR (dB)
			-0.77	-0.55	-0.68	-0.56	-0.16	-0.53	-0.67	-0.22	-0.24	-0.13	-0.28	-0.35	-0.32	-0.13	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4904.4	254	624	961	1322	1700	2028	2390	2798	3141	3499	3837	4175	4529	4894	Measured Value (mV)
	SLOPE (mV/dB)	71.45	-6	6	-13	-10	11	-18	-14	37	23	23	5	-15	-18	-10	Error (mV)
			-0.08	0.09	-0.19	-0.15	0.16	-0.26	-0.19	0.51	0.32	0.06	-0.20	-0.26	-0.15	LINEARITY ERROR (dB)	
			-1.08	-0.79	-0.96	-0.80	-0.38	-0.68	-0.50	0.34	0.26	0.38	0.23	0.07	0.13	0.36	ACCURACY ERROR (dB)
Flatness		+/- dB	1.26	1.16	1.31	1.29	1.13	1.06	1.16	1.57	1.32	1.41	1.49	1.29	1.39	1.66	

-65dBm mV-Out
 411 Max
 236 Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MHz
 TESTED BY: A. LOPEZ
 DATE: 7-31-19
 SERIAL NO: PL26057/1931

Test Temp: -10C

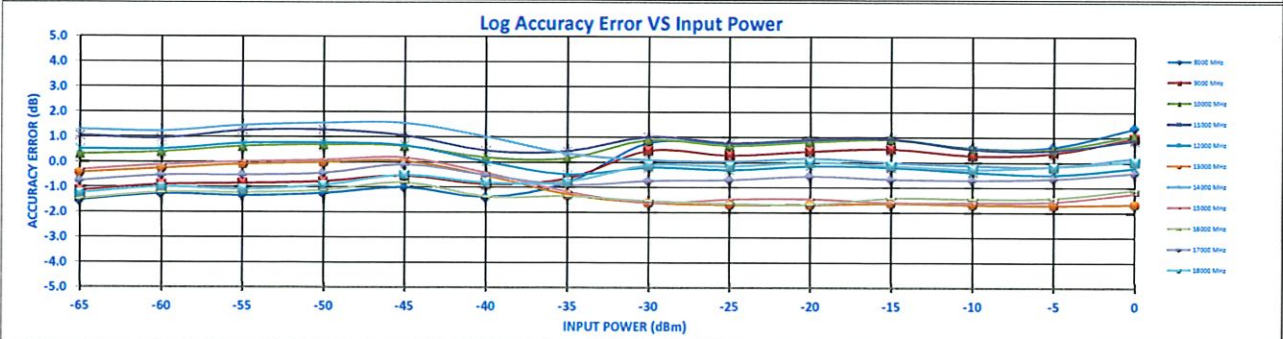
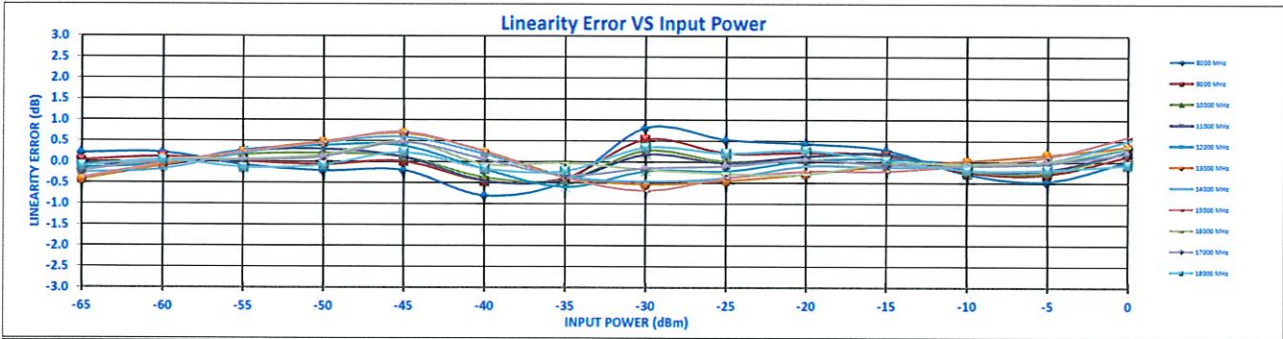


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DC Offset= 0.040

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)	
8000 MHz	INTERCEPT (mV)	4938.8															Measured Value (mV)	
	SLOPE (mV/dB)	72.76	225	590	932	1285	1650	1970	2358	2815	3158	3515	3868	4190	4541	4940		Error (mV)
			15	16	-6	-15	-15	-58	-34	59	39	32	21	-21	-34	2		LINEARITY ERROR (dB)
			0.21	0.22	-0.08	-0.21	-0.20	-0.80	-0.47	0.81	0.53	0.43	0.28	-0.29	-0.46	0.02		ACCURACY ERROR (dB)
			-1.51	-1.26	-1.34	-1.25	-1.00	-1.39	-0.81	0.77	0.71	0.85	0.93	0.57	0.62	1.37		
9000 MHz	INTERCEPT (mV)	4903.4															Measured Value (mV)	
	SLOPE (mV/dB)	71.62	251	615	965	1318	1681	2006	2369	2793	3128	3487	3841	4170	4524	4914		Error (mV)
			3	9	1	-4	1	-33	-28	38	15	16	12	-18	-21	10		LINEARITY ERROR (dB)
			0.04	0.12	0.01	-0.06	0.01	-0.46	-0.39	0.54	0.21	0.22	0.16	-0.25	-0.30	0.14		ACCURACY ERROR (dB)
			-1.14	-0.90	-0.85	-0.77	-0.55	-0.87	-0.65	0.46	0.28	0.44	0.54	0.27	0.37	0.98		
10000 MHz	INTERCEPT (mV)	4902.8															Measured Value (mV)	
	SLOPE (mV/dB)	69.94	352	706	1068	1420	1764	2079	2425	2824	3155	3513	3867	4189	4536	4920		Error (mV)
			5	-1	-13	14	8	-26	-30	15	4	-3	-13	-18	-27	23		LINEARITY ERROR (dB)
			-0.08	-0.01	0.17	0.21	0.12	-0.37	-0.43	0.27	0.01	0.13	0.19	-0.21	-0.25	0.25		ACCURACY ERROR (dB)
			0.31	0.41	0.63	0.70	0.64	0.18	0.16	0.90	0.67	0.82	0.91	0.54	0.54	1.08		
11000 MHz	INTERCEPT (mV)	4889.7															Measured Value (mV)	
	SLOPE (mV/dB)	68.99	403	744	1112	1461	1793	2099	2445	2832	3163	3519	3868	4187	4532	4907		Error (mV)
			-2	-6	17	21	8	-31	-30	12	-2	9	13	-13	-13	17		LINEARITY ERROR (dB)
			-0.03	-0.09	0.24	0.30	0.12	-0.46	-0.44	0.17	-0.03	0.14	0.20	-0.18	-0.19	0.25		ACCURACY ERROR (dB)
			1.05	0.96	1.26	1.28	1.06	0.46	0.44	1.02	0.78	0.91	0.93	0.52	0.48	0.89		
12000 MHz	INTERCEPT (mV)	4807.3															Measured Value (mV)	
	SLOPE (mV/dB)	68.18	366	714	1076	1425	1765	2068	2380	2747	3088	3446	3790	4124	4464	4830		Error (mV)
			-10	-3	19	27	26	-12	-41	-15	-15	2	5	-2	-3	23		LINEARITY ERROR (dB)
			-0.15	-0.05	0.27	0.39	0.38	-0.18	-0.60	-0.22	-0.22	0.03	0.07	-0.03	-0.04	0.33		ACCURACY ERROR (dB)
			0.52	0.52	0.74	0.77	0.66	0.02	-0.49	-0.21	-0.30	-0.14	-0.20	-0.39	-0.49	-0.22		
13000 MHz	INTERCEPT (mV)	4705.5															Measured Value (mV)	
	SLOPE (mV/dB)	67.33	301	660	1019	1371	1722	2029	2325	2650	2992	3340	3690	4034	4380	4730		Error (mV)
			-29	-6	16	32	46	17	-24	-36	-30	-19	-6	2	11	25		LINEARITY ERROR (dB)
			-0.43	-0.09	0.24	0.48	0.69	0.25	-0.35	-0.63	-0.45	-0.29	-0.08	0.03	0.17	0.36		ACCURACY ERROR (dB)
			-0.42	-0.25	-0.08	-0.01	0.04	-0.54	-1.28	-1.60	-1.68	-1.68	-1.63	-1.68	-1.70	-1.66		
14000 MHz	INTERCEPT (mV)	4823.9															Measured Value (mV)	
	SLOPE (mV/dB)	67.48	420	763	1126	1480	1827	2137	2439	2768	3111	3468	3803	4143	4487	4859		Error (mV)
			-17	-12	14	30	40	12	-23	-32	-26	-7	-9	-6	0	35		LINEARITY ERROR (dB)
			-0.26	-0.17	0.20	0.45	0.59	0.18	-0.35	-0.47	-0.38	-0.10	-0.13	-0.10	0.00	0.52		ACCURACY ERROR (dB)
			1.30	1.23	1.46	1.56	1.55	1.01	0.35	0.09	0.03	0.16	-0.01	-0.12	-0.16	0.19		
15000 MHz	INTERCEPT (mV)	4719.3															Measured Value (mV)	
	SLOPE (mV/dB)	67.46	309	670	1025	1377	1732	2037	2333	2649	3007	3355	3693	4040	4390	4760		Error (mV)
			-26	-2	16	31	48	16	-26	-46	-26	-15	-15	-5	8	41		LINEARITY ERROR (dB)
			-0.38	-0.03	0.24	0.46	0.71	0.24	-0.38	-0.69	-0.39	-0.22	-0.22	-0.07	0.12	0.60		ACCURACY ERROR (dB)
			-0.31	-0.11	0.01	0.08	0.18	-0.43	-1.17	-1.82	-1.47	-1.45	-1.60	-1.60	-1.56	-1.23		
16000 MHz	INTERCEPT (mV)	4745.7															Measured Value (mV)	
	SLOPE (mV/dB)	69.26	228	594	940	1294	1663	1971	2320	2655	2995	3340	3705	4050	4400	4770		Error (mV)
			-16	4	4	11	34	-4	-2	-13	-19	-20	-2	-3	1	24		LINEARITY ERROR (dB)
			-0.23	0.06	0.06	0.16	0.50	-0.06	-0.02	-0.19	-0.28	-0.30	-0.03	-0.04	0.01	0.35		ACCURACY ERROR (dB)
			-1.47	-1.20	-1.22	-1.12	-0.81	-1.37	-1.35	-1.53	-1.64	-1.67	-1.42	-1.45	-1.41	-1.09		
17000 MHz	INTERCEPT (mV)	4802.1															Measured Value (mV)	
	SLOPE (mV/dB)	69.38	278	641	989	1341	1712	2031	2352	2710	3060	3418	3757	4102	4453	4816		Error (mV)
			-14	2	2	8	33	4	-22	-10	-7	4	-4	-6	-2	14		LINEARITY ERROR (dB)
			-0.21	0.02	0.04	0.12	0.47	0.06	-0.32	-0.15	-0.10	0.05	-0.06	-0.09	-0.03	0.21		ACCURACY ERROR (dB)
			-0.75	-0.53	-0.52	-0.44	-0.10	-0.52	-0.90	-0.74	-0.70	-0.55	-0.67	-0.70	-0.65	-0.42		
18000 MHz	INTERCEPT (mV)	4853.8															Measured Value (mV)	
	SLOPE (mV/dB)	70.81	244	608	950	1308	1684	2010	2360	2754	3098	3457	3795	4132	4487	4849		Error (mV)
			-7	3	-9	-5	16	-12	-15	24	14	19	3	-14	-13	-5		LINEARITY ERROR (dB)
			-0.10	0.04	-0.13	-0.07	0.23	-0.17	-0.22	0.34	0.20	0.28	0.04	-0.19	-0.19	-0.07		ACCURACY ERROR (dB)
			-1.23	-0.99	-1.08	-0.92	-0.51	-0.82	-0.78	-0.11	-0.16	0.01	-0.13	-0.27	-0.17	0.05		
Flatness		+/- dB	1.40	1.25	1.40	1.40	1.28	1.20	0.90	1.32	1.23	1.29	1.28	1.12	1.16	1.51		

-65dBm mV-Out	420	Max
	225	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV
 TESTED BY: A. LOPEZ
 DATE: 7-31-19
 SERIAL NO: PL26056/1931

Test Temp: +85C



PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway STE 1
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 ISO 9001:2000 CERTIFIED

DC Offset= 0.040

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4988.3															Measured Value (mV)
	SLOPE (mV/dB)	70.96	370	730	1095	1450	1800	2153	2492	2840	3222	3560	3920	4285	4630	5000	Error (mV)
			-6	0	10	10	5	3	-13	-19	8	-9	-4	6	-3	12	LINEARITY ERROR (dB)
			-0.08	-0.01	0.14	0.14	0.07	0.05	-0.18	-0.27	0.11	-0.13	-0.05	0.09	-0.05	0.17	ACCURACY ERROR (dB)
			0.57	0.71	0.91	0.98	0.97	1.00	0.84	0.80	1.25	1.07	1.21	1.41	1.33	1.61	
9000 MHz	INTERCEPT (mV)	4931.4															Measured Value (mV)
	SLOPE (mV/dB)	70.11	365	720	1080	1438	1795	2140	2475	2806	3175	3510	3875	4227	4583	4951	Error (mV)
			-9	-5	5	12	19	13	-3	-22	-4	-19	-5	-3	2	19	LINEARITY ERROR (dB)
			-0.13	-0.07	0.07	0.17	0.26	0.19	-0.04	-0.32	-0.05	-0.27	-0.07	-0.04	0.03	0.27	ACCURACY ERROR (dB)
			0.50	0.56	0.70	0.80	0.90	0.82	0.60	0.32	0.58	0.36	0.56	0.59	0.66	0.91	
10000 MHz	INTERCEPT (mV)	4991.9															Measured Value (mV)
	SLOPE (mV/dB)	70.49	429	771	1107	1450	1822	2152	2524	2900	3220	3580	3920	4300	4650	4990	Error (mV)
			-13	5	3	-17	2	-20	-1	21	-10	2	15	12	10	2	LINEARITY ERROR (dB)
			0.26	0.12	-0.12	-0.24	0.04	-0.29	-0.01	0.32	-0.14	-0.03	-0.21	0.18	0.15	-0.03	ACCURACY ERROR (dB)
			1.41	1.29	1.08	0.98	1.29	0.99	1.29	1.66	1.22	1.36	1.21	1.63	1.62	1.47	
11000 MHz	INTERCEPT (mV)	4998.9															Measured Value (mV)
	SLOPE (mV/dB)	70.44	410	770	1140	1495	1840	2180	2505	2856	3246	3596	3944	4300	4650	5000	Error (mV)
			-10	-2	16	18	11	-1	-28	-29	8	6	1	6	3	1	LINEARITY ERROR (dB)
			-0.14	-0.03	0.22	0.26	0.16	-0.02	-0.40	-0.42	0.12	0.09	0.02	0.08	0.05	0.02	ACCURACY ERROR (dB)
			1.14	1.28	1.55	1.62	1.54	1.39	1.02	1.03	1.60	1.59	1.54	1.63	1.62	1.61	
12000 MHz	INTERCEPT (mV)	4970.6															Measured Value (mV)
	SLOPE (mV/dB)	70.51	417	760	1094	1433	1802	2124	2455	2847	3209	3554	3924	4284	4617	4988	Error (mV)
			29	20	1	-12	4	-26	-48	-9	1	-7	11	19	-1	17	LINEARITY ERROR (dB)
			0.42	0.28	0.01	-0.17	0.06	-0.37	-0.68	-0.12	0.02	-0.09	0.16	0.27	-0.01	0.24	ACCURACY ERROR (dB)
			1.24	1.13	0.89	0.74	0.99	0.59	0.31	0.90	1.07	0.98	1.27	1.40	1.15	1.44	
13000 MHz	INTERCEPT (mV)	4863.2															Measured Value (mV)
	SLOPE (mV/dB)	69.47	369	710	1039	1383	1757	2084	2405	2741	3122	3448	3809	4194	4524	4892	Error (mV)
			21	15	-3	-7	20	0	-27	-38	-5	-28	-12	26	8	29	LINEARITY ERROR (dB)
			0.31	0.21	-0.05	-0.10	0.28	-0.01	-0.39	-0.54	-0.07	-0.38	-0.17	0.37	0.11	0.42	ACCURACY ERROR (dB)
			0.55	0.41	0.11	0.02	0.35	0.02	-0.41	-0.61	-0.18	-0.53	-0.37	0.12	-0.18	0.07	
14000 MHz	INTERCEPT (mV)	4911.5															Measured Value (mV)
	SLOPE (mV/dB)	68.77	440	780	1147	1490	1850	2175	2477	2804	3173	3507	3863	4240	4576	4950	Error (mV)
			-2	-6	18	17	33	15	-28	-45	-19	-30	-17	16	9	39	LINEARITY ERROR (dB)
			-0.03	-0.08	0.26	0.25	0.48	0.21	-0.41	-0.65	-0.28	-0.43	-0.25	0.24	0.13	0.56	ACCURACY ERROR (dB)
			1.57	1.42	1.66	1.55	1.68	1.32	0.62	0.29	0.55	0.31	0.39	0.77	0.57	0.90	
15000 MHz	INTERCEPT (mV)	4865.3															Measured Value (mV)
	SLOPE (mV/dB)	69.40	374	718	1042	1388	1762	2088	2407	2747	3129	3458	3814	4197	4524	4891	Error (mV)
			20	17	-6	-7	20	-1	-30	-37	-1	-20	-10	25	5	25	LINEARITY ERROR (dB)
			0.29	0.24	-0.09	-0.10	0.29	-0.02	-0.43	-0.53	-0.02	-0.28	-0.15	0.36	0.08	0.36	ACCURACY ERROR (dB)
			0.63	0.54	0.16	0.10	0.43	0.08	-0.38	-0.53	-0.07	-0.38	-0.31	0.15	-0.18	0.05	
16000 MHz	INTERCEPT (mV)	4878.1															Measured Value (mV)
	SLOPE (mV/dB)	70.56	328	665	986	1336	1708	2045	2371	2733	3124	3451	3812	4198	4533	4899	Error (mV)
			36	20	-11	-14	5	-10	-37	-29	10	-16	-8	25	8	21	LINEARITY ERROR (dB)
			0.51	0.29	-0.15	-0.20	0.07	-0.15	-0.52	-0.41	0.15	-0.23	-0.11	0.36	0.11	0.29	ACCURACY ERROR (dB)
			-0.03	-0.23	-0.64	-0.66	-0.35	-0.53	-0.88	-0.73	-0.14	-0.48	-0.34	0.17	-0.05	0.17	
17000 MHz	INTERCEPT (mV)	4985.9															Measured Value (mV)
	SLOPE (mV/dB)	71.47	376	719	1040	1388	1773	2110	2454	2838	3206	3549	3913	4282	4631	5003	Error (mV)
			36	21	-15	-24	3	-17	-30	-3	7	-8	0	11	2	18	LINEARITY ERROR (dB)
			0.50	0.30	-0.21	-0.34	0.04	-0.24	-0.42	-0.05	0.10	-0.11	-0.01	0.15	0.03	0.25	ACCURACY ERROR (dB)
			0.66	0.55	0.12	0.10	0.58	0.39	0.30	0.78	1.03	0.91	1.11	1.37	1.34	1.66	
18000 MHz	INTERCEPT (mV)	4986.4															Measured Value (mV)
	SLOPE (mV/dB)	72.69	316	645	964	1316	1697	2047	2409	2822	3197	3540	3903	4273	4618	4986	Error (mV)
			55	21	-25	-35	-19	-32	-33	17	28	8	7	14	-5	0	LINEARITY ERROR (dB)
			0.76	0.28	-0.34	-0.49	-0.26	-0.44	-0.45	0.23	0.38	0.11	0.10	0.19	-0.07	0.00	ACCURACY ERROR (dB)
			-0.20	-0.50	-0.96	-0.93	-0.51	-0.51	-0.34	0.55	0.89	0.79	0.97	1.24	1.16	1.41	
Flatness		+/- dB	0.88	0.96	1.31	1.27	1.09	0.96	1.09	1.19	0.89	1.06	0.96	0.75	0.90	0.81	
-65dBm mV-Out			440	Max	316	Min											

