



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

Customer: \_\_\_\_\_ Tested By: A. Lopez  
 SO No: \_\_\_\_\_ Temperature: +25°C, -10°C, +85°C  
 Model No: ERDLVA-8G18G-65-70MV Date 7/31/2019  
 Serial No: PL26059/1931 Drawing No: 26933290 Rev: A2

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range:	8 to 18 GHz	8 to 18 GHz	PMI QA 1	
2	VSWR:	2.3:1 Max @ 50 Ω	1.58:1 @ 50 Ω (RF In) 2.24:1 @ 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)	68 dB		
5	Switching Speed:	100 ns Max	50.00 ns		
6	Video Frequency Flatness:	±1.75 dB Max @ 25°C	1.66dB		
7	TSS:	-71 dBm	-71dBm		PMI QA 1



**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 QA 1
9	Log Slope:	70 mV/dB $\pm$ 3 mV/dB	70.30mV/dB	
10	Log Linearity:	$\pm$ 1.0 dB Max	+0.94 / -0.67 dB	
11	Log Accuracy @ 25°C:	$\pm$ 1.75 dB Max	+1.66 / -0.98 dB	
12	Absolute Log Accuracy:	$\pm$ 2.0 dB Max	+1.04 / -0.73 Db	
13	DC Offset:	0 - 100mV	45 mV	
14	Rise Time:	28 ns Max (10% to 90% @ -40 & -10 dBm)	18.5ns	
15	Fall Time:	300 ns Max (90% to 10% @ -40 & -10 dBm)	110.00 ns	
16	Settling Time:	50 ns Max (From 10% to within 35 mV of final value @ -40 & -10 dBm)	46 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	188 ns	
18	Pulse Width Process Range:	100ns to 100us	100ns to 100us	
19	Video Output Load Impedance:	95 $\pm$ 1 $\Omega$	95 $\Omega$	PMI QA 1



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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	285 - 407 mV	PMI QA 1
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 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 = 1.80dB	
29	CW Immue Time @ CW = -40 dBm	4ms Max	4 ms	
30	CW Recovery Time @ CW = -40 dBm	120us Max	90 us	
31	DC Power:	+15V (±5%) @ 500 mA Max -15V (±5%) @ 200 mA Max	416 mA 138 mA	PMI QA 1

QA/QC Approval: 

PMI  
QA 1

Date: 8/1/19

LOG TRANSFER WITH FREQUENCY  
 MODEL: ERLVA-8G18G-65-70MV  
 TESTED BY: A. LOPEZ  
 DATE: 7-31-19  
 SERIAL NO: PL26059/1931

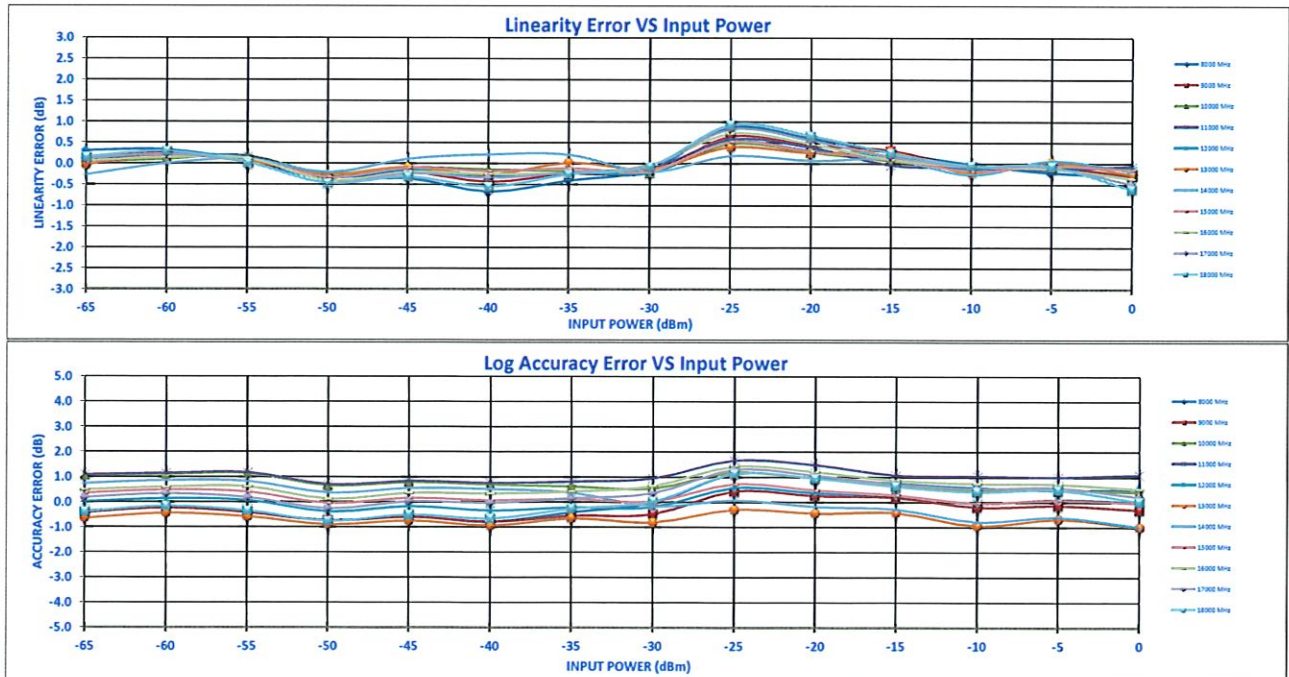
Test Temp: +25C



PLANAR MONOLITHICS INDUSTRIES  
 4921 Robert J. Mathews Parkway STE 1  
 TEL: 916-542-1401 FAX: 301-662-1731  
 EMAIL: SALES@PMI-RF.COM  
 ISO 9001:2000 CERTIFIED

DC Offset= 0.045

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4955.1															Measured Value (mV)
	SLOPE (mV/dB)	71.90															Error (mV)
			305	665	1005	1332	1695	2031	2410	2788	3220	3561	3897	4236	4580	4934	LINEARITY ERROR (dB)
			23	24	4	-28	-25	-48	-29	-10	62	44	20	-1	-15	-21	ACCURACY ERROR (dB)
			0.31	0.33	0.06	-0.39	-0.35	-0.67	-0.40	-0.14	0.87	0.61	0.28	-0.01	-0.21	-0.29	
			-0.36	-0.23	-0.40	-0.74	-0.58	-0.79	-0.40	-0.02	1.12	0.97	0.75	0.57	0.48	0.52	
9000 MHz	INTERCEPT (mV)	4897.2															Measured Value (mV)
	SLOPE (mV/dB)	70.86															Error (mV)
			301	665	1004	1332	1694	2031	2400	2756	3171	3511	3857	4181	4537	4877	LINEARITY ERROR (dB)
			10	20	4	-22	-14	-31	-17	-15	46	31	23	-7	-8	-20	ACCURACY ERROR (dB)
			0.14	0.28	0.06	-0.31	-0.20	-0.44	-0.24	-0.21	0.65	0.43	0.32	-0.10	-0.08	-0.29	
			-0.42	-0.23	-0.41	-0.75	-0.59	-0.79	-0.55	-0.47	0.43	0.26	0.19	-0.20	-0.14	-0.31	
10000 MHz	INTERCEPT (mV)	4933.9															Measured Value (mV)
	SLOPE (mV/dB)	69.70															Error (mV)
			406	759	1113	1430	1790	2136	2482	2828	3225	3559	3893	4230	4582	4926	LINEARITY ERROR (dB)
			2	7	13	-19	7	-10	-19	-4	33	19	5	-7	-4	-8	ACCURACY ERROR (dB)
			0.03	0.11	0.18	-0.27	-0.10	-0.14	-0.18	-0.21	0.48	0.28	0.07	-0.10	-0.05	-0.11	
			1.08	1.11	1.14	0.65	0.78	0.70	0.62	0.55	1.19	0.95	0.70	0.50	0.50	0.40	
11000 MHz	INTERCEPT (mV)	4978.5															Measured Value (mV)
	SLOPE (mV/dB)	70.46															Error (mV)
			407	762	1115	1433	1794	2141	2496	2857	3258	3597	3919	4269	4617	4974	LINEARITY ERROR (dB)
			8	11	12	-22	-10	-23	-15	-8	41	28	14	-5	-9	-4	ACCURACY ERROR (dB)
			0.12	0.16	0.17	-0.31	-0.20	-0.28	-0.24	-0.11	0.58	0.39	-0.03	-0.08	-0.13	-0.06	
			1.09	1.15	1.17	0.70	0.83	0.76	0.81	0.95	1.66	1.49	1.07	1.04	1.00	1.08	
12000 MHz	INTERCEPT (mV)	4907.9															Measured Value (mV)
	SLOPE (mV/dB)	70.54															Error (mV)
			331	691	1038	1358	1723	2063	2424	2777	3182	3519	3863	4192	4554	4898	LINEARITY ERROR (dB)
			9	16	10	-23	-10	-23	-15	-15	37	22	14	-10	-1	-10	ACCURACY ERROR (dB)
			0.12	0.23	0.14	-0.33	-0.14	-0.32	-0.22	-0.21	0.53	0.31	0.19	-0.14	-0.01	-0.14	
			0.02	0.14	0.07	-0.38	-0.17	-0.33	-0.21	-0.19	0.58	0.38	0.27	-0.04	0.11	0.00	
13000 MHz	INTERCEPT (mV)	4846.5															Measured Value (mV)
	SLOPE (mV/dB)	70.16															Error (mV)
			285	650	992	1321	1683	2021	2392	2733	3120	3461	3814	4129	4499	4828	LINEARITY ERROR (dB)
			-1	13	4	-18	-6	-19	1	-9	28	18	20	-16	3	-18	ACCURACY ERROR (dB)
			-0.02	0.19	0.06	-0.25	-0.09	-0.27	0.02	-0.12	0.39	0.26	0.28	-0.23	0.04	-0.26	
			-0.65	-0.44	-0.59	-0.90	-0.74	-0.94	-0.65	-0.81	-0.30	-0.44	-0.43	-0.95	-0.69	-0.99	
14000 MHz	INTERCEPT (mV)	4841.7															Measured Value (mV)
	SLOPE (mV/dB)	68.33															Error (mV)
			382	742	1091	1410	1774	2123	2465	2778	3146	3480	3825	4141	4505	4829	LINEARITY ERROR (dB)
			-18	0	8	-14	8	15	15	-13	13	5	8	-18	5	-13	ACCURACY ERROR (dB)
			-0.26	0.00	0.11	-0.21	0.11	0.22	0.21	-0.20	0.19	0.08	0.11	-0.26	0.07	-0.18	
			0.74	0.86	0.83	0.37	0.55	0.52	0.37	-0.16	0.07	-0.17	-0.28	-0.78	-0.60	-0.98	
15000 MHz	INTERCEPT (mV)	4905.9															Measured Value (mV)
	SLOPE (mV/dB)	70.04															Error (mV)
			355	716	1061	1381	1747	2091	2446	2792	3192	3526	3864	4193	4553	4895	LINEARITY ERROR (dB)
			2	12	7	-23	-7	-13	-8	-12	37	21	9	-12	-3	-10	ACCURACY ERROR (dB)
			0.03	0.18	0.11	-0.33	-0.10	-0.18	-0.11	-0.17	0.53	0.30	0.13	-0.17	-0.04	-0.15	
			0.36	0.49	0.40	-0.05	0.16	0.06	0.11	0.04	0.72	0.47	0.29	-0.03	0.09	-0.04	
16000 MHz	INTERCEPT (mV)	4959.5															Measured Value (mV)
	SLOPE (mV/dB)	70.77															Error (mV)
			364	724	1076	1393	1761	2111	2468	2835	3242	3578	3905	4247	4597	4935	LINEARITY ERROR (dB)
			4	10	8	-28	-14	-18	-15	-2	51	33	7	-4	-9	-25	ACCURACY ERROR (dB)
			0.06	0.15	0.12	-0.40	-0.20	-0.26	-0.21	-0.03	0.72	0.47	0.10	-0.06	-0.12	-0.35	
			0.49	0.61	0.61	0.13	0.36	0.34	0.42	0.64	1.43	1.21	0.87	0.74	0.72	0.52	
17000 MHz	INTERCEPT (mV)	4947.9															Measured Value (mV)
	SLOPE (mV/dB)	70.98															Error (mV)
			343	705	1046	1366	1737	2085	2449	2815	3232	3568	3896	4234	4587	4913	LINEARITY ERROR (dB)
			9	16	2	-33	-17	-24	-14	-3	59	39	12	-4	-6	-35	ACCURACY ERROR (dB)
			0.12	0.22	0.02	-0.46	-0.23	-0.34	-0.20	-0.05	0.83	0.55	0.18	-0.06	-0.08	-0.49	
			0.18	0.34	0.18	-0.26	0.02	-0.03	0.15	0.36	1.29	1.07	0.74	0.55	0.57	0.21	
18000 MHz	INTERCEPT (mV)	4943.3															Measured Value (mV)
	SLOPE (mV/dB)	71.58															Error (mV)
			302	670	1008	1331	1700	2041	2420	2792	3221	3560	3888	4225	4581	4899	LINEARITY ERROR (dB)
			12	21	2	-34	-22	-39	-18	-4	67	48	19	-3	-4	-44	ACCURACY ERROR (dB)
			0.16	0.30	0.03	-0.47	-0.31	-0.55	-0.25	-0.06	0.94	0.67	0.26	-0.04	-0.06	-0.62	
			-0.39	-0.16	-0.35	-0.76	-0.50	-0.66	-0.26	0.03	1.13	0.96	0.63	0.42	0.49	0.02	
Flatness		+/- dB	0.87	0.80	0.88	0.80	0.79	0.85	0.73	0.88	0.98	0.96	0.75	0.99	0.84	1.04	
	-65dBm mV-Out		407	Max	285	Min											



LOG TRANSFER WITH FREQUENCY  
 MODEL: ERDLVA-8G18G-65-70MV  
 TESTED BY: A. LOPEZ  
 DATE: 7-31-19  
 SERIAL NO: PL26059/1931

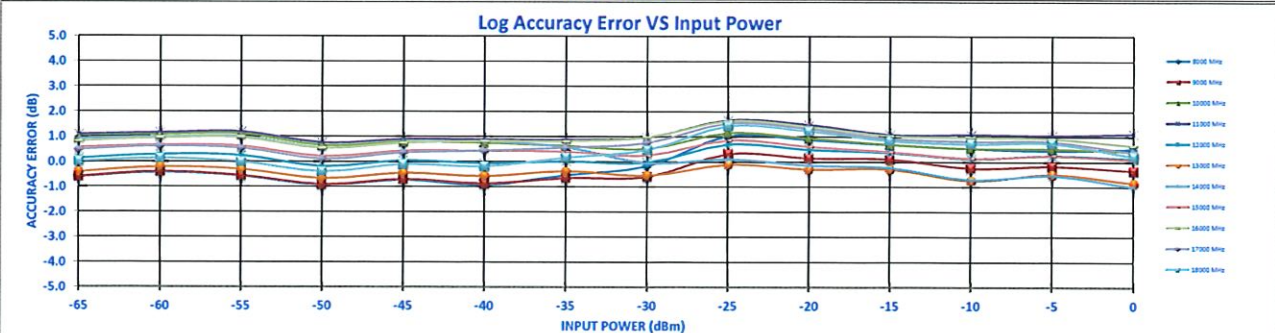
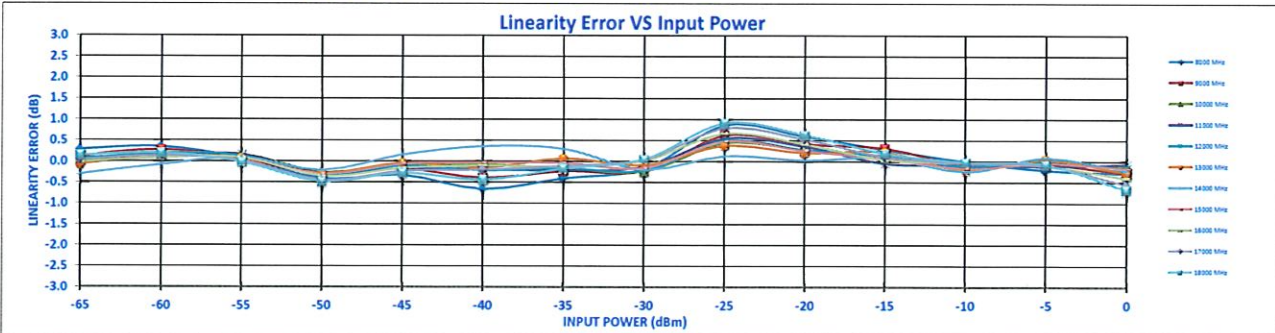
Test Temp: -10C



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DC Offset= 0.045

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)	
8000 MHz	INTERCEPT (mV)	4957.3															
	SLOPE (mV/dB)	72.17															
	Measured Value (mV)	287	653	993	1320	1686	2023	2402	2780	3216	3557	3895	4236	4581	4937		
	Error (mV)	21	25	5	-29	-24	-48	-29	-12	62	43	20	0	-15	-21		
	LINEARITY ERROR (dB)	0.29	0.35	0.07	-0.41	-0.33	-0.66	-0.40	-0.17	0.87	0.60	0.28	0.00	-0.21	-0.28		
	ACCURACY ERROR (dB)	-0.61	-0.41	-0.57	-0.93	-0.72	-0.93	-0.53	-0.17	1.03	0.89	0.69	0.54	0.45	0.50		
9000 MHz	INTERCEPT (mV)	4897.1															
	SLOPE (mV/dB)	71.05															
	Measured Value (mV)	288	654	994	1321	1687	2027	2394	2750	3165	3505	3854	4180	4537	4876		
	Error (mV)	9	19	5	-24	-13	-29	-17	-16	44	29	22	-6	-4	-21		
	LINEARITY ERROR (dB)	0.13	0.27	0.07	-0.33	-0.18	-0.40	-0.24	-0.22	0.62	0.41	0.31	-0.09	-0.06	-0.29		
	ACCURACY ERROR (dB)	-0.59	-0.40	-0.55	-0.91	-0.70	-0.87	-0.66	-0.59	0.31	0.15	0.10	-0.25	-0.17	-0.36		
10000 MHz	INTERCEPT (mV)	4938.5															
	SLOPE (mV/dB)	69.79															
	Measured Value (mV)	403	758	1112	1431	1792	2141	2484	2828	3224	3561	3895	4236	4587	4930		
	Error (mV)	1	7	12	-18	-5	-5	-12	-16	31	18	4	-4	-3	-8		
	LINEARITY ERROR (dB)	0.01	0.11	0.17	-0.26	-0.08	-0.08	-0.17	-0.24	0.44	0.26	0.06	-0.06	-0.04	-0.12		
	ACCURACY ERROR (dB)	1.03	1.09	1.11	0.65	0.79	0.75	0.63	0.52	1.15	0.94	0.70	0.54	0.52	0.41		
11000 MHz	INTERCEPT (mV)	4984.4															
	SLOPE (mV/dB)	70.51															
	Measured Value (mV)	407	763	1118	1438	1799	2150	2501	2860	3260	3599	3923	4275	4624	4980		
	Error (mV)	6	9	11	-20	-12	-14	-15	-9	39	25	-3	-4	-8	-5		
	LINEARITY ERROR (dB)	0.08	0.13	0.16	-0.29	-0.17	-0.19	-0.22	-0.12	0.55	0.36	-0.05	-0.06	-0.11	-0.07		
	ACCURACY ERROR (dB)	1.09	1.16	1.20	0.76	0.89	0.88	0.87	0.98	1.67	1.49	1.09	1.09	1.05	1.11		
12000 MHz	INTERCEPT (mV)	4920.8															
	SLOPE (mV/dB)	70.53															
	Measured Value (mV)	340	702	1051	1372	1740	2084	2441	2790	3193	3530	3873	4207	4568	4910		
	Error (mV)	4	13	9	-22	-7	-15	-11	-15	35	19	10	-8	-1	-11		
	LINEARITY ERROR (dB)	0.05	0.19	0.13	-0.31	-0.10	-0.22	-0.16	-0.21	0.50	0.27	0.14	-0.11	-0.01	-0.16		
	ACCURACY ERROR (dB)	0.14	0.29	0.25	-0.18	0.04	-0.06	0.01	-0.02	0.70	0.49	0.37	0.13	0.25	0.12		
13000 MHz	INTERCEPT (mV)	4861.1															
	SLOPE (mV/dB)	70.07															
	Measured Value (mV)	301	667	1012	1338	1705	2047	2413	2753	3135	3474	3826	4145	4514	4842		
	Error (mV)	-5	10	5	-20	-3	-11	5	-6	26	14	16	-15	3	-20		
	LINEARITY ERROR (dB)	-0.07	0.15	0.07	-0.28	-0.04	-0.16	0.07	-0.08	0.37	0.20	0.23	-0.21	0.05	-0.28		
	ACCURACY ERROR (dB)	-0.41	-0.21	-0.31	-0.67	-0.45	-0.58	-0.38	-0.55	-0.11	-0.30	-0.29	-0.75	-0.50	-0.85		
14000 MHz	INTERCEPT (mV)	4846.5															
	SLOPE (mV/dB)	68.17															
	Measured Value (mV)	395	751	1104	1424	1790	2144	2481	2788	3151	3485	3830	4148	4511	4831		
	Error (mV)	-20	-5	6	-14	11	24	20	-13	9	2	6	-16	6	-16		
	LINEARITY ERROR (dB)	-0.30	-0.08	0.10	-0.21	0.16	0.36	0.30	-0.19	0.13	0.03	0.10	-0.24	0.08	-0.23		
	ACCURACY ERROR (dB)	0.92	0.99	1.00	0.55	0.75	0.79	0.58	-0.05	0.11	-0.14	-0.23	-0.71	-0.55	-1.00		
15000 MHz	INTERCEPT (mV)	4919.3															
	SLOPE (mV/dB)	69.97															
	Measured Value (mV)	370	728	1077	1400	1767	2118	2468	2810	3204	3538	3875	4208	4567	4907		
	Error (mV)	-2	7	6	-21	-4	-2	-3	-11	34	18	5	-11	-3	-12		
	LINEARITY ERROR (dB)	-0.02	0.10	0.08	-0.30	-0.06	-0.03	-0.04	-0.15	0.48	0.25	0.07	-0.16	-0.04	-0.17		
	ACCURACY ERROR (dB)	0.57	0.66	0.62	0.21	0.43	0.43	0.40	0.26	0.87	0.61	0.41	0.14	0.24	0.09		
16000 MHz	INTERCEPT (mV)	4975															
	SLOPE (mV/dB)	70.54															
	Measured Value (mV)	388	749	1101	1423	1789	2146	2497	2860	3258	3593	3920	4267	4615	4947		
	Error (mV)	-2	6	6	-25	-11	-8	-9	1	47	29	3	-2	-7	-28		
	LINEARITY ERROR (dB)	-0.03	0.09	0.09	-0.35	-0.16	-0.11	-0.12	0.02	0.66	0.41	0.04	-0.03	-0.10	-0.40		
	ACCURACY ERROR (dB)	0.82	0.95	0.97	0.54	0.75	0.82	0.82	0.98	1.64	1.40	1.04	0.98	0.93	0.64		
17000 MHz	INTERCEPT (mV)	4967															
	SLOPE (mV/dB)	70.85															
	Measured Value (mV)	364	726	1072	1393	1762	2119	2479	2845	3252	3587	3912	4256	4606	4927		
	Error (mV)	3	10	1	-32	-16	-14	-8	3	56	37	8	-3	-7	-40		
	LINEARITY ERROR (dB)	0.04	0.14	0.02	-0.45	-0.23	-0.20	-0.11	0.05	0.79	0.53	0.12	-0.04	-0.10	-0.56		
	ACCURACY ERROR (dB)	0.49	0.62	0.54	0.11	0.36	0.44	0.56	0.76	1.54	1.32	0.94	0.82	0.80	0.37		
18000 MHz	INTERCEPT (mV)	4964.4															
	SLOPE (mV/dB)	71.45															
	Measured Value (mV)	330	692	1033	1357	1729	2075	2451	2825	3244	3581	3906	4249	4602	4916		
	Error (mV)	10	14	-1	-35	-20	-31	-12	4	66	46	14	-1	-5	-48		
	LINEARITY ERROR (dB)	0.14	0.20	-0.02	-0.48	-0.28	-0.44	-0.17	0.06	0.92	0.64	0.19	-0.01	-0.07	-0.68		
	ACCURACY ERROR (dB)	0.00	0.14	0.00	-0.39	-0.10	-0.18	0.16	0.48	1.43	1.23	0.85	0.72	0.74	0.21		
Flatness	+/- dB	0.85	0.78	0.88	0.84	0.81	0.90	0.76	0.76	0.89	0.89	0.89	0.92	0.80	1.06		
-65dBm mV-Out		407	Max														
		287	Min														



LOG TRANSFER WITH FREQUENCY  
 MODEL: ERDLVA-8G18G-65-70MV  
 TESTED BY: A. LOPEZ  
 DATE: 7-31-19  
 SERIAL NO: PL26059/1931

Test Temp: +85C



PLANAR MONOLITHICS INDUSTRIES  
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 ISO 9001:2000 CERTIFIED

DC Offset= 0.045

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4969.6														
	SLOPE (mV/dB)	71.94														
	Measured Value (mV)	313	675	1017	1344	1710	2046	2427	2804	3233	3572	3907	4249	4594	4950	
	Error (mV)	20	22	4	-29	-22	-45	-24	-8	62	41	17	-2	-16	-20	
	LINEARITY ERROR (dB)	0.27	0.31	0.06	-0.40	-0.31	-0.63	-0.34	-0.11	0.86	0.57	0.24	-0.02	-0.22	-0.28	
	ACCURACY ERROR (dB)	-0.25	-0.09	-0.22	-0.56	-0.35	-0.55	-0.13	0.23	1.34	1.17	0.95	0.81	0.73	0.79	
8000 MHz	INTERCEPT (mV)	4911.5														
	SLOPE (mV/dB)	70.86														
	Measured Value (mV)	310	677	1017	1345	1712	2049	2417	2773	3184	3522	3868	4194	4551	4891	
	Error (mV)	6	18	4	-23	-10	-27	-14	-12	45	28	20	-8	-6	-20	
	LINEARITY ERROR (dB)	0.08	0.26	0.05	-0.32	-0.14	-0.39	-0.19	-0.17	0.63	0.39	0.28	-0.12	-0.09	-0.28	
	ACCURACY ERROR (dB)	-0.29	-0.06	-0.22	-0.55	-0.32	-0.52	-0.28	-0.21	0.65	0.46	0.39	0.04	0.12	-0.03	
10000 MHz	INTERCEPT (mV)	4949.4														
	SLOPE (mV/dB)	69.66														
	Measured Value (mV)	421	776	1129	1448	1810	2159	2503	2849	3239	3574	3906	4245	4596	4943	
	Error (mV)	-1	6	11	-18	-5	-5	-8	-11	31	17	2	-7	-5	-6	
	LINEARITY ERROR (dB)	-0.01	0.09	0.16	-0.26	-0.07	-0.06	-0.12	-0.16	0.45	0.25	0.02	-0.11	-0.07	-0.09	
	ACCURACY ERROR (dB)	1.29	1.35	1.38	0.93	1.08	1.04	0.95	0.87	1.43	1.19	0.93	0.76	0.76	0.70	
11000 MHz	INTERCEPT (mV)	4991.3														
	SLOPE (mV/dB)	70.34														
	Measured Value (mV)	428	780	1135	1454	1812	2164	2518	2880	3250	3611	3934	4283	4633	4992	
	Error (mV)	9	9	12	-21	-14	-13	-11	-2	17	27	-3	-4	-7	0	
	LINEARITY ERROR (dB)	0.13	0.12	0.17	-0.29	-0.19	-0.19	-0.16	-0.02	0.24	0.38	-0.04	-0.06	-0.10	0.01	
	ACCURACY ERROR (dB)	1.40	1.40	1.46	1.01	1.11	1.13	1.17	1.31	1.59	1.73	1.32	1.31	1.28	1.39	
12000 MHz	INTERCEPT (mV)	4922.1														
	SLOPE (mV/dB)	70.43														
	Measured Value (mV)	351	709	1057	1376	1747	2086	2446	2799	3198	3533	3875	4207	4569	4912	
	Error (mV)	6	13	8	-24	-6	-19	-11	-10	37	19	10	-11	-1	-10	
	LINEARITY ERROR (dB)	0.09	0.18	0.11	-0.35	-0.09	-0.28	-0.15	-0.15	0.52	0.28	0.14	-0.16	-0.02	-0.14	
	ACCURACY ERROR (dB)	0.30	0.40	0.35	-0.10	0.18	0.00	0.14	0.16	0.85	0.62	0.49	0.21	0.37	0.26	
13000 MHz	INTERCEPT (mV)	4858.5														
	SLOPE (mV/dB)	70.02														
	Measured Value (mV)	307	669	1010	1339	1701	2041	2411	2755	3138	3473	3826	4141	4511	4841	
	Error (mV)	-1	11	2	-19	-7	-17	3	-3	30	15	17	-18	2	-18	
	LINEARITY ERROR (dB)	-0.01	0.16	0.03	-0.27	-0.10	-0.24	0.05	-0.04	0.43	0.21	0.25	-0.25	0.03	-0.25	
	ACCURACY ERROR (dB)	-0.33	-0.17	-0.32	-0.63	-0.48	-0.63	-0.36	-0.46	-0.01	-0.23	-0.21	-0.73	-0.46	-0.75	
14000 MHz	INTERCEPT (mV)	4859														
	SLOPE (mV/dB)	68.23														
	Measured Value (mV)	404	763	1113	1432	1798	2146	2490	2805	3166	3497	3840	4157	4521	4848	
	Error (mV)	-20	-2	7	-15	9	17	19	-7	13	3	4	-20	3	-11	
	LINEARITY ERROR (dB)	-0.29	-0.03	0.10	-0.23	0.13	0.25	0.28	-0.11	0.19	0.04	0.07	-0.29	0.05	-0.16	
	ACCURACY ERROR (dB)	1.05	1.17	1.15	0.69	0.90	0.87	0.76	0.24	0.40	0.11	-0.01	-0.50	-0.31	-0.66	
15000 MHz	INTERCEPT (mV)	4919.6														
	SLOPE (mV/dB)	69.86														
	Measured Value (mV)	376	739	1084	1403	1771	2115	2471	2817	3210	3540	3878	4206	4566	4911	
	Error (mV)	-2	11	7	-24	-5	-10	-4	-7	37	18	6	-15	-5	-9	
	LINEARITY ERROR (dB)	-0.03	0.16	0.11	-0.34	-0.07	-0.14	-0.05	-0.10	0.53	0.26	0.09	-0.22	-0.07	-0.13	
	ACCURACY ERROR (dB)	0.66	0.82	0.75	0.27	0.52	0.43	0.49	0.42	1.02	0.72	0.53	0.20	0.33	0.24	
16000 MHz	INTERCEPT (mV)	4970.9														
	SLOPE (mV/dB)	70.67														
	Measured Value (mV)	379	740	1091	1410	1778	2127	2487	2854	3256	3588	3916	4257	4607	4948	
	Error (mV)	2	9	7	-27	-12	-17	-11	3	52	30	5	-7	-10	-23	
	LINEARITY ERROR (dB)	0.03	0.13	0.09	-0.39	-0.18	-0.25	-0.15	0.05	0.73	0.43	0.07	-0.10	-0.14	-0.33	
	ACCURACY ERROR (dB)	0.70	0.83	0.83	0.38	0.63	0.59	0.72	0.95	1.67	1.40	1.07	0.93	0.92	0.77	
17000 MHz	INTERCEPT (mV)	4955.9														
	SLOPE (mV/dB)	70.84														
	Measured Value (mV)	356	721	1060	1383	1754	2098	2465	2834	3244	3576	3904	4239	4594	4924	
	Error (mV)	4	16	0	-31	-14	-25	-12	3	59	37	10	-9	-7	-32	
	LINEARITY ERROR (dB)	0.06	0.22	0.01	-0.43	-0.20	-0.35	-0.17	0.05	0.84	0.52	0.15	-0.12	-0.10	-0.46	
	ACCURACY ERROR (dB)	0.37	0.58	0.40	0.00	0.28	0.17	0.40	0.67	1.51	1.23	0.90	0.67	0.73	0.42	
18000 MHz	INTERCEPT (mV)	4948.9														
	SLOPE (mV/dB)	71.38														
	Measured Value (mV)	322	685	1022	1349	1716	2052	2433	2807	3231	3567	3895	4228	4588	4909	
	Error (mV)	13	19	0	-31	-20	-42	-17	0	67	46	17	-7	-4	-40	
	LINEARITY ERROR (dB)	0.18	0.27	-0.01	-0.43	-0.28	-0.58	-0.24	0.00	0.94	0.64	0.23	-0.09	-0.06	-0.56	
	ACCURACY ERROR (dB)	-0.11	0.06	-0.14	-0.48	-0.26	-0.47	-0.05	0.28	1.32	1.10	0.77	0.52	0.64	0.21	
Flatness	+/- dB	0.87	0.79	0.89	0.82	0.79	0.88	0.76	0.88	0.84	0.98	1.02	1.02	0.87	1.07	
-65dBm mV-Out		428	Max	307	Min											

