

**Summary Data
For
ERDLVA-8G18G-65-70MV-2**

Serial No: PL55705/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
6	TSS:	-71 dBm	-73 dBm	PMI QA?
7	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	
8	Log Slope:	70 mV/dB ±3 mV/dB	69.57/70.71mV/dB	
9	Log Linearity:	±1.0 dB Max	+46/-41dB	
10	Log Accuracy @ 25°C:	±1.75 dB Max	+1.09/-1.08dB	
11	Absolute Log Accuracy:	±2.0 dB Max	+1.18/-1.26dB	
12	DC Offset:	±70 mV	+35mV	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	26.8ns	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	121.9ns	
15	Settling Time:	50 ns Max (From 10% to within 70 mV of final value @ -40 & -10 dBm)	<60ns	
16	Recovery Time:	1 us Max (From 90% to within ±1.5 dB of baseline)	<750ns	
17	Video Frequency Flatness:	±1.75 dB Max @ 25°C	±.86 dB Max @ 25°C	
18	Pulse Width Process Range:	100 ns to 100 us	100 ns to 100 us	
19	Video Output Load Impedance:	95 ±1 Ω	95 ±1 Ω	

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	220/276mV	PM QAS
21	Video Output Drive Capability:	Driving 100 ft RG180 into 95 Ω Load	Pass	
22	Pulse Density Capability:	10% Duty @ 100 ns PW 70% Duty @ 100 us PW	Pass (By Design)	
23	Noise Level:	25 mV RMS Max	13.92mV	
24	Pulse Droop @ -65 dBm:	70 mV Max for PW 100 us	<70mV	
25	Propagation Delay:	50 ns Max (50% RF to 10% Video)	<50ns	
26	CW Immune Power:	TSS to -40 dBm	TSS to -40 dBm Pass	
27	Baseline Shift:	200 mV Max @ -40 dBm CW	<200mV	
28	Pulse Amplitude Loss with Pulse @ -30 dBm:	CW @ -50 dBm = No Loss CW @ -40 dBm = 2 dB Max	-50 dBm = Pass -40 dBm = Pass	
29	CW Immue Time @ CW = -40 dBm	4 ms Max	3.0ms	
30	CW Recovery Time @ CW = -40 dBm	120 us Max	<100us	
31	DC Power:	+15V (±5%) @ 500 mA Max -15V (±5%) @ 200 mA Max	480mA 140mA	
32	Ripple DC to 10 MHz	100 mV Max	<100 mV Max	

QA/QC Approval: K. Klammy Date: 12-4-25

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55705-RF

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= 0.035

Frequency

8000 MHz	INTERCEPT (mV)	4851.7
	SLOPE (mV/dB)	70.71

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
256	620	978	1294	1665	2028	2357	2719	3099	3434	3820	4129	4514	4838	
0	11	15	-22	-5	5	-20	-11	15	-3	29	-16	16	-14	
0.01	0.15	0.22	-0.31	-0.07	0.07	-0.28	-0.16	0.21	-0.05	0.41	-0.22	0.22	-0.19	
0.23	0.42	0.53	0.04	0.33	0.51	0.21	0.38	0.80	0.58	1.09	0.50	0.99	0.61	

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

9000 MHz	INTERCEPT (mV)	4828.7
	SLOPE (mV/dB)	70.26

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
259	621	980	1295	1666	2028	2355	2707	3076	3420	3807	4110	4496	4813	
-3	8	16	-21	-1	10	-14	-14	4	-3	32	-16	19	-16	
-0.04	0.11	0.22	-0.29	-0.01	0.14	-0.21	-0.20	0.05	-0.05	0.46	-0.23	0.26	-0.22	
0.27	0.44	0.56	0.05	0.35	0.51	0.18	0.20	0.47	0.38	0.90	0.22	0.73	0.26	

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

10000 MHz	INTERCEPT (mV)	4850
	SLOPE (mV/dB)	70.46

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
268	634	988	1310	1683	2041	2370	2714	3088	3433	3814	4139	4517	4842	
-2	12	13	-17	4	9	-14	-22	-1	-8	21	-6	19	-8	
-0.03	0.16	0.19	-0.24	0.05	0.13	-0.20	-0.32	-0.01	-0.11	0.30	-0.09	0.27	-0.11	
0.40	0.62	0.67	0.27	0.59	0.70	0.40	0.30	0.64	0.56	1.00	0.64	1.03	0.67	

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

11000 MHz	INTERCEPT (mV)	4839.3
	SLOPE (mV/dB)	70.59

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
253	614	973	1289	1655	2022	2348	2705	3089	3425	3806	4121	4503	4827	
2	10	16	-21	-8	6	-21	-16	15	-2	26	-12	17	-12	
0.03	0.15	0.23	-0.29	-0.11	0.09	-0.29	-0.23	0.21	-0.03	0.36	-0.17	0.24	-0.17	
0.19	0.34	0.46	-0.03	0.19	0.43	0.08	0.18	0.66	0.45	0.89	0.38	0.83	0.46	

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

12000 MHz	INTERCEPT (mV)	4793.4
	SLOPE (mV/dB)	70.16

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
235	592	955	1267	1625	1999	2320	2673	3043	3382	3773	4073	4468	4781	
2	8	20	-19	-11	12	-18	-16	4	-8	32	-19	25	-12	
0.03	0.11	0.29	-0.26	-0.16	0.17	-0.26	-0.22	0.05	-0.12	0.46	-0.27	0.36	-0.18	
-0.07	0.02	0.20	-0.34	-0.24	0.10	-0.32	-0.28	0.00	-0.16	0.42	-0.30	0.33	-0.20	

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

13000 MHz	INTERCEPT (mV)	4803.8
	SLOPE (mV/dB)	70.16

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
244	601	964	1282	1645	2016	2337	2670	3041	3389	3774	4086	4480	4803	
0	7	19	-14	-2	18	-11	-29	-9	-12	23	-16	27	-1	
0.01	0.09	0.27	-0.20	-0.03	0.26	-0.16	-0.41	-0.13	-0.17	0.32	-0.23	0.38	-0.01	
0.06	0.15	0.33	-0.13	0.05	0.34	-0.08	-0.32	-0.03	-0.06	0.43	-0.12	0.50	0.11	

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

14000 MHz	INTERCEPT (mV)	4821.9
	SLOPE (mV/dB)	69.78

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
276	650	998	1315	1689	2052	2375	2702	3070	3411	3791	4106	4497	4825	
-10	15	14	-18	7	21	-5	-27	-7	-15	16	-18	24	3	
-0.15	0.21	0.20	-0.26	0.10	0.30	-0.07	-0.38	-0.11	-0.22	0.23	-0.26	0.34	0.04	
0.51	0.85	0.82	0.34	0.68	0.86	0.47	0.13	0.38	0.25	0.67	0.17	0.75	0.43	

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

15000 MHz	INTERCEPT (mV)	4783.4
	SLOPE (mV/dB)	69.74

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
247	601	964	1284	1649	2020	2342	2686	3020	3372	3757	4062	4464	4788	
-3	2	16	-12	4	26	-1	-25	-20	-17	20	-24	29	5	
-0.05	0.03	0.23	-0.18	0.06	0.38	-0.01	-0.36	-0.29	-0.24	0.28	-0.34	0.42	0.07	
0.10	0.15	0.33	-0.10	0.11	0.40	0.00	-0.38	-0.33	-0.31	0.19	-0.46	0.28	-0.10	

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

16000 MHz	INTERCEPT (mV)	4780.7
	SLOPE (mV/dB)	69.70

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
246	604	965	1281	1644	2014	2336	2672	3027	3367	3754	4062	4460	4783	
-4	5	18	-15	0	21	-5	-18	-11	-20	19	-22	28	2	
-0.06	0.08	0.26	-0.21	0.00	0.31	-0.07	-0.25	-0.16	-0.28	0.27	-0.31	0.40	0.03	
0.09	0.19	0.35	-0.14	0.04	0.31	-0.09	-0.30	-0.23	-0.38	0.14	-0.46	0.22	-0.17	

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

17000 MHz	INTERCEPT (mV)	4783.2
	SLOPE (mV/dB)	69.71

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
248	608	967	1284	1646	2015	2335	2672	3032	3370	3746	4072	4462	4788	
-4	8	18	-13	0	20	-8	-20	-8	-19	8	-14	27	5	
-0.05	0.11	0.26	-0.19	0.00	0.29	-0.12	-0.28	-0.12	-0.27	0.12	-0.20	0.39	0.07	
0.11	0.25	0.37	-0.10	0.06	0.33	-0.10	-0.30	-0.16	-0.33	0.03	-0.32	0.25	-0.10	

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

18000 MHz	INTERCEPT (mV)	4734.1
	SLOPE (mV/dB)	69.57

	-85	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
220	550	926	1246	1593	1972	2288	2640	3000	3318	3700	4019	4418	4732	
8	-10	18	-9	-10	21	-11	-7	5	-25	9	-19	32	-2	
0.12	-0.14	0.26	-0.14	-0.15	0.30	-0.16	-0.10	0.07	-0.35	0.14	-0.28	0.46	-0.03	
-0.29	-0.58	-0.21	-0.64	-0.69	-0.28	-0.78	-0.75	-0.61	-1.08	-0.63	-1.07	-0.38	-0.90	

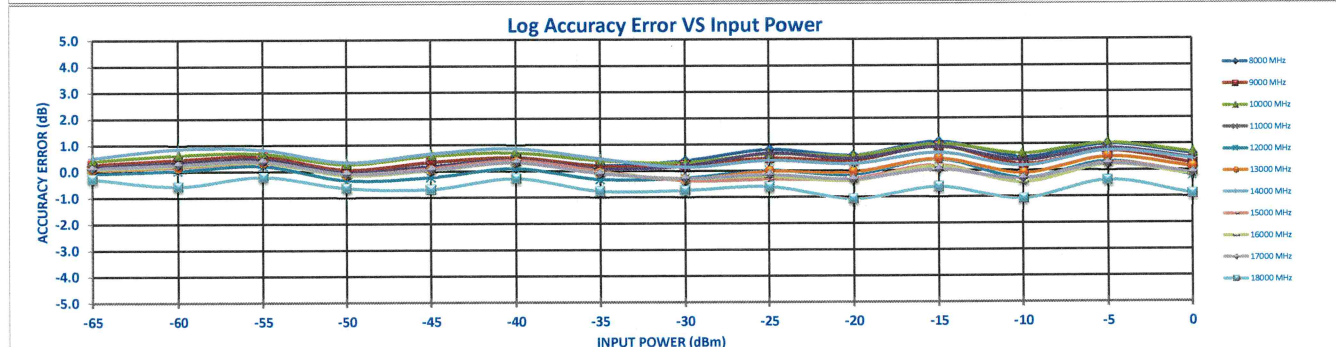
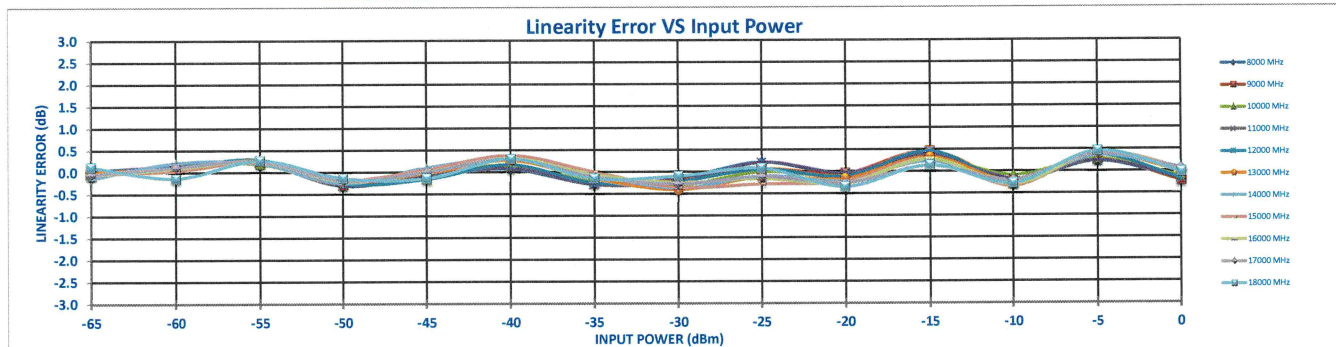
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.40	0.71	0.51	0.49	0.68	0.57	0.62	0.56	0.71	0.83	0.86	0.86	0.71	0.78	
------	------	------	------	------	------	------	------	------	------	------	------	------	------	--

-65dBm mV-Out

276	Max
220	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55705-BIT

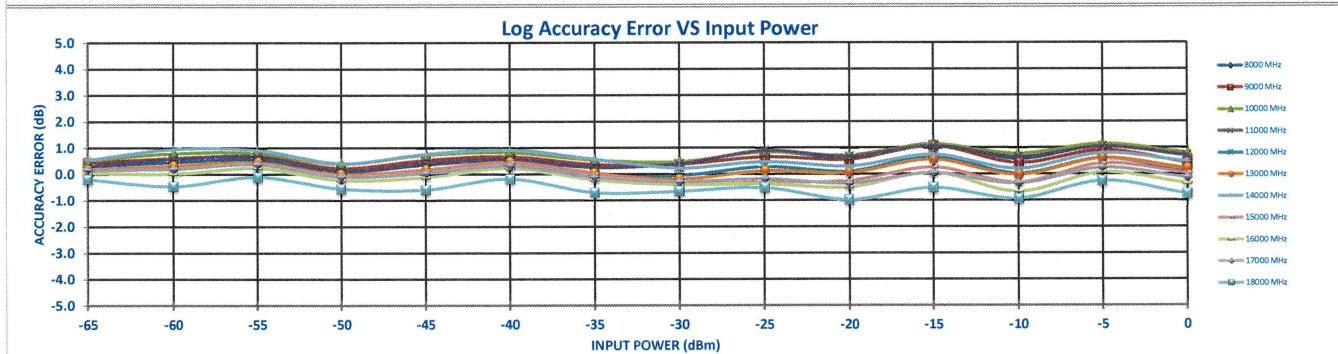
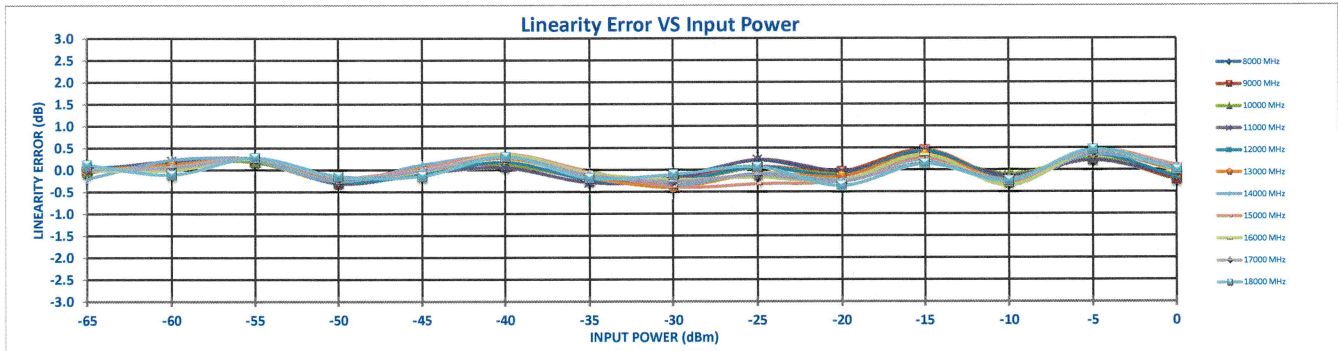
Test Temp: +25C



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= 0.037

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)	
8000 MHz	INTERCEPT (mV)	4851.9															Measured Value (mV)	
	SLOPE (mV/dB)	70.75	256	617	975	1293	1662	2025	2355	2717	3098	3433	3820	4130	4515	4838	Error (mV)	
			3	10	15	-21	-6	3	-21	-12	15	-4	29	-14	17	-14	LINEARITY ERROR (dB)	
			0.04	0.15	0.21	-0.30	-0.09	0.05	-0.29	-0.17	0.21	-0.05	0.42	-0.20	0.24	-0.20	ACCURACY ERROR (dB)	
			0.30	0.45	0.56	0.09	0.36	0.54	0.24	0.41	0.84	0.62	1.14	0.57	1.06	0.67		
9000 MHz	INTERCEPT (mV)	4836.6															Measured Value (mV)	
	SLOPE (mV/dB)	70.28	266	628	984	1302	1674	2034	2363	2714	3084	3428	3814	4119	4503	4820	Error (mV)	
			-2	8	13	-20	0	9	-14	-14	5	-3	32	-15	18	-17	LINEARITY ERROR (dB)	
			-0.03	0.12	0.19	-0.29	0.00	0.12	-0.19	-0.20	0.06	-0.04	0.45	-0.21	0.25	-0.24	ACCURACY ERROR (dB)	
			0.44	0.61	0.69	0.22	0.53	0.66	0.36	0.37	0.84	0.55	1.06	0.41	0.89	0.41		
10000 MHz	INTERCEPT (mV)	4855.7															Measured Value (mV)	
	SLOPE (mV/dB)	70.47	271	641	992	1314	1688	2045	2375	2721	3097	3439	3819	4144	4521	4847	Error (mV)	
			-4	14	12	-18	-4	8	-14	-20	3	-7	20	-7	19	-9	LINEARITY ERROR (dB)	
			-0.06	0.20	0.18	-0.26	0.05	0.12	-0.20	-0.29	0.04	-0.10	0.29	-0.10	0.25	-0.12	ACCURACY ERROR (dB)	
			0.51	0.79	0.80	0.39	0.73	0.82	0.53	0.46	0.83	0.71	1.13	0.77	1.14	0.79		
11000 MHz	INTERCEPT (mV)	4851.4															Measured Value (mV)	
	SLOPE (mV/dB)	70.67	257	626	982	1296	1665	2028	2357	2715	3101	3436	3814	4135	4513	4840	Error (mV)	
			-1	15	17	-22	-6	3	-21	-16	16	-2	23	-10	15	-11	LINEARITY ERROR (dB)	
			-0.01	0.21	0.25	-0.31	-0.09	0.05	-0.30	-0.23	0.23	-0.03	0.32	-0.14	0.21	-0.16	ACCURACY ERROR (dB)	
			0.31	0.58	0.66	0.14	0.40	0.58	0.27	0.38	0.89	0.67	1.06	0.64	1.03	0.69		
12000 MHz	INTERCEPT (mV)	4809.1															Measured Value (mV)	
	SLOPE (mV/dB)	70.21	246	606	966	1280	1642	2013	2336	2684	3058	3396	3786	4091	4482	4797	Error (mV)	
			0	9	18	-19	-8	12	-16	-19	4	-9	30	-16	24	-12	LINEARITY ERROR (dB)	
			0.00	0.13	0.26	-0.27	-0.11	0.17	-0.23	-0.27	0.06	-0.13	0.43	-0.23	0.34	-0.17	ACCURACY ERROR (dB)	
			0.16	0.29	0.43	-0.09	0.07	0.36	-0.03	-0.06	0.27	0.09	0.66	0.01	0.59	0.08		
13000 MHz	INTERCEPT (mV)	4806.2															Measured Value (mV)	
	SLOPE (mV/dB)	70.13	248	607	967	1285	1648	2019	2340	2674	3047	3393	3778	4088	4482	4804	Error (mV)	
			0	8	18	-15	-3	18	-12	-28	-6	-11	24	-17	26	-2	LINEARITY ERROR (dB)	
			0.00	0.12	0.25	-0.21	-0.04	0.25	-0.17	-0.41	-0.09	-0.15	0.34	-0.24	0.38	-0.03	ACCURACY ERROR (dB)	
			0.19	0.31	0.44	-0.02	0.16	0.45	0.03	-0.21	0.12	0.05	0.54	-0.03	0.59	0.18		
14000 MHz	INTERCEPT (mV)	4821.1															Measured Value (mV)	
	SLOPE (mV/dB)	69.75	273	652	1000	1315	1690	2053	2377	2704	3071	3410	3791	4104	4496	4823	Error (mV)	
			-14	16	15	-19	8	22	-3	-25	-6	-16	16	-20	24	2	LINEARITY ERROR (dB)	
			-0.21	0.23	0.22	-0.27	0.11	0.31	-0.04	-0.35	-0.09	-0.23	0.23	-0.28	0.34	0.03	ACCURACY ERROR (dB)	
			0.54	0.95	0.91	0.41	0.76	0.94	0.56	0.22	0.46	0.29	0.73	0.19	0.79	0.45		
15000 MHz	INTERCEPT (mV)	4786.2															Measured Value (mV)	
	SLOPE (mV/dB)	69.85	244	600	962	1281	1645	2017	2338	2663	3017	3371	3757	4067	4468	4793	Error (mV)	
			-2	5	18	-12	2	25	-3	-28	-23	-18	19	-21	31	7	LINEARITY ERROR (dB)	
			-0.02	0.07	0.25	-0.18	0.03	0.36	-0.05	-0.39	-0.33	-0.26	0.27	-0.30	0.45	0.10	ACCURACY ERROR (dB)	
			0.13	0.21	0.37	-0.08	0.11	0.42	0.00	-0.36	-0.31	-0.26	0.24	-0.33	0.39	0.02		
16000 MHz	INTERCEPT (mV)	4764.7															Measured Value (mV)	
	SLOPE (mV/dB)	69.64	238	586	952	1270	1628	2003	2322	2660	3012	3354	3743	4043	4445	4765	Error (mV)	
			0	0	17	-13	-3	24	-5	-16	-12	-18	23	-25	28	0	LINEARITY ERROR (dB)	
			0.00	-0.01	0.25	-0.18	-0.04	0.34	-0.08	-0.22	-0.17	-0.26	0.33	-0.36	0.41	0.00	ACCURACY ERROR (dB)	
			0.04	0.01	0.23	-0.23	-0.13	0.22	-0.23	-0.41	-0.38	-0.50	0.04	-0.68	0.06	-0.38		
17000 MHz	INTERCEPT (mV)	4777															Measured Value (mV)	
	SLOPE (mV/dB)	69.70	247	599	962	1279	1639	2009	2329	2667	3026	3364	3742	4065	4457	4781	Error (mV)	
			0	4	18	-13	-2	20	-9	-19	-9	-19	10	-15	28	4	LINEARITY ERROR (dB)	
			0.00	0.05	0.26	-0.19	-0.02	0.29	-0.12	-0.27	-0.12	-0.27	0.15	-0.22	0.41	0.06	ACCURACY ERROR (dB)	
			0.17	0.19	0.37	-0.11	0.03	0.31	-0.13	-0.31	-0.18	-0.36	0.03	-0.36	0.23	-0.15		
18000 MHz	INTERCEPT (mV)	4738.1															Measured Value (mV)	
	SLOPE (mV/dB)	69.62	221	553	928	1247	1595	1974	2288	2642	3002	3320	3703	4024	4422	4737	Error (mV)	
			8	-8	19	-10	-10	21	-13	-7	4	-26	9	-18	32	-1	LINEARITY ERROR (dB)	
			0.12	-0.11	0.27	-0.14	-0.15	0.30	-0.19	-0.11	0.06	-0.37	0.13	-0.26	0.46	-0.02	ACCURACY ERROR (dB)	
			-0.20	-0.46	-0.11	-0.56	-0.60	-0.19	-0.71	-0.66	-0.53	-0.99	-0.53	-0.95	-0.27	-0.78		
Flatness		+/- dB	0.37	0.71	0.51	0.49	0.68	0.56	0.63	0.56	0.71	0.85	0.83	0.86	0.71	0.78		
-65dBm mV-Out			273	Max														
			221	Min														



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55705-RF

Test Temp: -10C



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= 0.049

Frequency

8000 MHz	INTERCEPT (mV)	4908.3
	SLOPE (mV/dB)	71.65

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
275	627	983	1302	1678	2045	2372	2723	3112	3455	3868	4174	4587	4915	
24	18	15	-24	-6	3	-29	-36	-5	-20	34	-18	37	7	
0.33	0.25	0.21	-0.33	-0.09	0.04	-0.40	-0.50	-0.07	-0.28	0.48	-0.25	0.52	0.09	
0.28	0.24	0.26	-0.24	0.06	0.23	-0.16	-0.21	0.27	0.10	0.92	0.24	1.06	0.68	

RF Input Power (dBm)

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

9000 MHz	INTERCEPT (mV)	4892.1
	SLOPE (mV/dB)	71.32

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
278	620	986	1306	1682	2049	2375	2716	3094	3444	3857	4162	4574	4896	
22	7	17	-20	-1	10	-21	-37	-15	-22	35	-17	38	4	
0.30	0.10	0.23	-0.28	-0.01	0.14	-0.29	-0.51	-0.21	-0.30	0.49	-0.24	0.54	0.05	
0.32	0.14	0.30	-0.19	0.11	0.29	-0.12	-0.31	0.01	-0.05	0.77	0.07	0.87	0.41	

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

10000 MHz	INTERCEPT (mV)	4913.5
	SLOPE (mV/dB)	71.43

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
287	648	999	1324	1704	2064	2391	2727	3111	3458	3865	4192	4596	4925	
16	20	14	-18	-5	7	-20	-44	-17	-27	23	-7	40	11	
0.23	0.28	0.19	-0.26	0.06	0.10	-0.32	-0.61	-0.24	-0.38	0.32	-0.10	0.55	0.16	
0.45	0.54	0.49	0.07	0.42	0.50	0.11	-0.16	0.25	0.15	0.88	0.49	1.18	0.82	

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

11000 MHz	INTERCEPT (mV)	4893.5
	SLOPE (mV/dB)	71.53

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
269	621	978	1294	1664	2036	2360	2708	3102	3442	3849	4167	4574	4901	
25	19	18	-23	-11	10	-21	-40	-3	-21	28	-11	38	7	
0.34	0.27	0.26	-0.32	-0.15	0.05	-0.42	-0.56	-0.05	-0.29	0.40	-0.16	0.53	0.10	
0.20	0.16	0.19	-0.36	-0.14	0.10	-0.33	-0.43	0.13	-0.08	0.66	0.14	0.87	0.48	

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

12000 MHz	INTERCEPT (mV)	4838
	SLOPE (mV/dB)	71.05

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
245	588	954	1265	1624	2006	2325	2670	3046	3393	3805	4109	4528	4846	
25	13	24	-20	-17	10	-26	-36	-16	-24	33	-18	45	8	
0.36	0.18	0.33	-0.29	-0.24	0.14	-0.37	-0.51	-0.22	-0.34	0.46	-0.26	0.64	0.11	
-0.14	-0.31	-0.15	-0.76	-0.70	-0.32	-0.82	-0.96	-0.66	-0.77	0.04	-0.68	0.23	-0.29	

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

13000 MHz	INTERCEPT (mV)	4857
	SLOPE (mV/dB)	70.91

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
264	617	975	1294	1665	2038	2358	2685	3063	3412	3815	4129	4548	4872	
16	14	18	-18	-1	17	-17	-45	-21	-27	22	-19	46	15	
0.23	0.20	0.25	-0.25	-0.02	0.24	-0.24	-0.63	-0.30	-0.38	0.30	-0.27	0.64	0.21	
0.13	0.10	0.15	-0.36	-0.13	0.13	-0.36	-0.75	-0.42	-0.50	0.18	-0.40	0.51	0.07	

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

14000 MHz	INTERCEPT (mV)	4879
	SLOPE (mV/dB)	70.68

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
293	662	1009	1324	1706	2071	2390	2709	3087	3432	3835	4156	4571	4901	
8	24	17	-21	8	19	-15	-50	-25	-33	16	-16	45	22	
0.12	0.34	0.25	-0.30	0.11	0.27	-0.21	-0.70	-0.35	-0.47	0.23	-0.23	0.64	0.31	
0.54	0.74	0.63	0.07	0.45	0.60	0.09	-0.41	-0.08	-0.22	0.46	-0.02	0.83	0.48	

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

15000 MHz	INTERCEPT (mV)	4844.2
	SLOPE (mV/dB)	70.50

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
270	631	985	1303	1678	2048	2368	2684	3046	3402	3803	4115	4540	4869	
8	17	18	-16	6	24	-9	-45	-36	-32	16	-24	48	25	
0.12	0.24	0.26	-0.23	0.09	0.34	-0.12	-0.64	-0.51	-0.46	0.23	-0.34	0.68	0.35	
0.21	0.30	0.29	-0.23	0.06	0.27	-0.22	-0.76	-0.66	-0.64	0.01	-0.59	0.40	0.03	

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

16000 MHz	INTERCEPT (mV)	4845.8
	SLOPE (mV/dB)	70.46

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
278	636	989	1304	1679	2047	2366	2693	3058	3400	3804	4119	4541	4870	
12	18	18	-19	4	19	-14	-39	-26	-37	15	-22	47	24	
0.17	0.25	0.26	-0.27	0.05	0.28	-0.20	-0.56	-0.37	-0.52	0.21	-0.32	0.67	0.34	
0.32	0.37	0.35	-0.21	0.07	0.26	-0.25	-0.64	-0.49	-0.67	0.02	-0.54	0.41	0.05	

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

17000 MHz	INTERCEPT (mV)	4851.3
	SLOPE (mV/dB)	70.52

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
280	642	991	1306	1679	2047	2364	2697	3065	3405	3800	4132	4545	4877	
13	22	18	-19	1	17	-19	-39	-23	-36	7	-14	46	26	
0.18	0.31	0.26	-0.27	0.02	0.24	-0.27	-0.55	-0.33	-0.51	0.09	-0.20	0.66	0.37	
0.35	0.45	0.37	-0.19	0.07	0.26	-0.27	-0.58	-0.39	-0.60	-0.03	-0.36	0.47	0.15	

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

18000 MHz	INTERCEPT (mV)	4804.3
	SLOPE (mV/dB)	70.40

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
249	589	953	1269	1627	2004	2317	2663	3034	3358	3757	4083	4502	4822	
21	9	21	-15	-9	16	-23	-29	-10	-38	9	-17	50	18	
0.30	0.13	0.30	-0.22	-0.13	0.22	-0.33	-0.42	-0.15	-0.54	0.12	-0.25	0.71	0.25	
-0.08	-0.29	-0.16	-0.71	-0.66	-0.35	-0.94	-1.06	-0.83	-1.26	-0.64	-1.05	-0.14	-0.63	

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

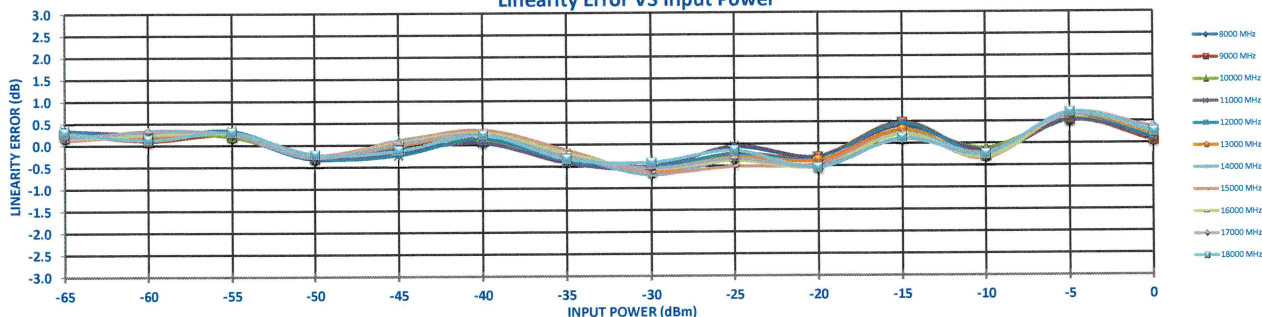
Flatness +/- dB

0.34	0.52	0.39	0.42	0.58	0.47	0.52	0.45	0.55	0.70	0.78	0.77	0.66	0.73
------	------	------	------	------	------	------	------	------	------	------	------	------	------

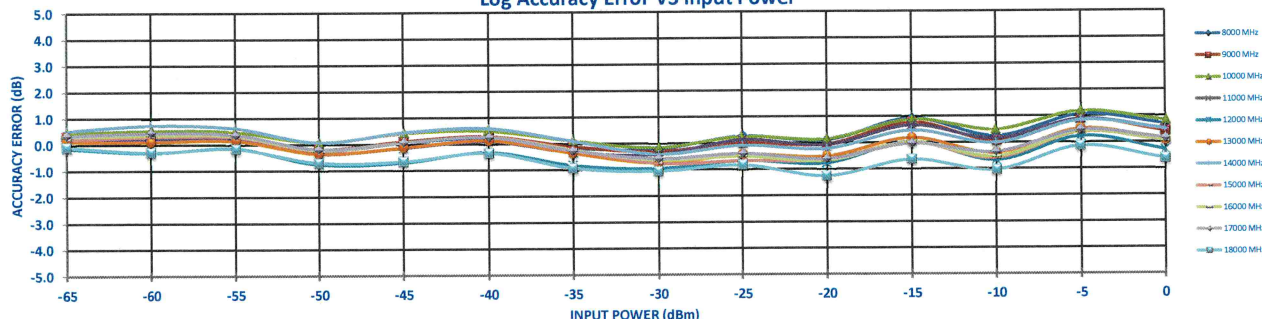
-65dBm mV-Out

293	Max
245	Min

Linearity Error VS Input Power



Log Accuracy Error VS Input Power



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55705-RF

Test Temp: +85C



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= 0.055

Frequency

8000 MHz	INTERCEPT (mV)	4788.4
	SLOPE (mV/dB)	69.82

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	262	586	959	1279	1628	2000	2329	2696	3073	3408	3777	4078	4443	4752
Error (mV)	12	-13	11	-18	-19	4	-16	2	30	16	36	-12	4	-36
LINEARITY ERROR (dB)	0.17	-0.19	0.15	-0.26	-0.27	0.06	-0.23	0.03	0.43	0.23	0.51	-0.18	0.05	-0.52
ACCURACY ERROR (dB)	0.53	0.20	0.56	0.17	0.19	0.55	0.28	0.56	0.99	0.81	1.12	0.45	0.70	0.15

RF Input Power (dBm)
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

9000 MHz	INTERCEPT (mV)	4767.3
	SLOPE (mV/dB)	69.51

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	258	581	956	1275	1623	1997	2323	2685	3049	3393	3763	4059	4426	4729
Error (mV)	9	-16	12	-17	-17	10	-12	3	19	16	38	-13	6	-31
LINEARITY ERROR (dB)	0.12	-0.23	0.17	-0.24	-0.24	0.14	-0.17	0.04	0.28	0.23	0.55	-0.19	0.09	-0.55
ACCURACY ERROR (dB)	0.47	0.12	0.52	0.11	0.12	0.50	0.19	0.40	0.64	0.59	0.92	0.18	0.46	-0.18

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

10000 MHz	INTERCEPT (mV)	4792
	SLOPE (mV/dB)	69.77

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	264	595	965	1289	1640	2010	2337	2694	3065	3411	3776	4087	4448	4761
Error (mV)	7	-11	10	-14	-14	9	-13	-5	17	14	31	-7	5	-31
LINEARITY ERROR (dB)	0.10	-0.15	0.15	-0.21	-0.18	0.13	-0.19	-0.07	0.25	0.21	0.44	-0.10	0.07	-0.44
ACCURACY ERROR (dB)	0.56	0.32	0.65	0.31	0.36	0.69	0.40	0.53	0.87	0.85	1.11	0.58	0.78	0.28

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

11000 MHz	INTERCEPT (mV)	4788.5
	SLOPE (mV/dB)	69.85

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	257	588	959	1277	1624	2001	2326	2694	3073	3411	3774	4078	4441	4754
Error (mV)	9	-9	12	-19	-21	7	-18	1	31	19	33	-12	2	-35
LINEARITY ERROR (dB)	0.13	-0.14	0.18	-0.27	-0.30	0.09	-0.25	0.01	0.44	0.28	0.48	-0.17	0.02	-0.49
ACCURACY ERROR (dB)	0.46	0.22	0.56	0.14	0.13	0.56	0.24	0.53	0.99	0.85	1.08	0.45	0.68	0.18

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

12000 MHz	INTERCEPT (mV)	4750.5
	SLOPE (mV/dB)	69.51

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	243	566	945	1259	1599	1979	2303	2665	3035	3375	3745	4039	4412	4717
Error (mV)	10	-14	17	-16	-24	9	-15	0	22	15	37	-16	9	-34
LINEARITY ERROR (dB)	0.15	-0.20	0.25	-0.23	-0.34	0.13	-0.21	0.00	0.32	0.21	0.53	-0.24	0.13	-0.48
ACCURACY ERROR (dB)	0.26	-0.09	0.36	-0.12	-0.23	0.24	-0.09	0.12	0.44	0.33	0.66	-0.11	0.26	-0.35

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

13000 MHz	INTERCEPT (mV)	4762.6
	SLOPE (mV/dB)	69.48

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	256	580	955	1275	1621	2000	2322	2668	3035	3384	3749	4053	4426	4740
Error (mV)	9	-14	14	-14	-15	17	-9	-10	9	11	29	-15	11	-23
LINEARITY ERROR (dB)	0.14	-0.20	0.20	-0.20	-0.22	0.24	-0.13	-0.15	0.13	0.16	0.41	-0.21	0.15	-0.33
ACCURACY ERROR (dB)	0.45	0.11	0.51	0.11	0.09	0.55	0.18	0.16	0.44	0.46	0.72	0.09	0.46	-0.02

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

14000 MHz	INTERCEPT (mV)	4775.6
	SLOPE (mV/dB)	69.32

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	270	606	976	1293	1645	2023	2346	2691	3052	3396	3760	4066	4437	4755
Error (mV)	0	-10	13	-16	-11	20	-3	-5	9	7	24	-16	8	-21
LINEARITY ERROR (dB)	0.01	-0.15	0.19	-0.24	-0.16	0.29	-0.05	-0.07	0.14	0.10	0.35	-0.24	0.12	-0.30
ACCURACY ERROR (dB)	0.65	0.48	0.81	0.37	0.44	0.88	0.52	0.49	0.69	0.64	0.87	0.28	0.62	0.19

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

15000 MHz	INTERCEPT (mV)	4737.3
	SLOPE (mV/dB)	69.21

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	247	566	945	1264	1608	1991	2314	2655	3006	3360	3728	4025	4404	4718
Error (mV)	8	-19	14	-13	-15	22	-1	-6	-1	7	29	-20	13	-19
LINEARITY ERROR (dB)	0.12	-0.27	0.21	-0.18	-0.21	0.32	-0.01	-0.09	-0.01	0.10	0.42	-0.29	0.18	-0.28
ACCURACY ERROR (dB)	0.32	-0.09	0.36	-0.05	-0.10	0.42	0.06	-0.03	0.02	0.12	0.41	-0.31	0.14	-0.34

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

16000 MHz	INTERCEPT (mV)	4734.5
	SLOPE (mV/dB)	69.27

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	244	561	939	1258	1599	1982	2304	2655	3008	3353	3725	4024	4402	4713
Error (mV)	12	-18	14	-13	-19	18	-6	-2	5	4	29	-18	14	-22
LINEARITY ERROR (dB)	0.17	-0.25	0.20	-0.19	-0.27	0.26	-0.09	-0.02	0.07	0.06	0.43	-0.26	0.20	-0.31
ACCURACY ERROR (dB)	0.27	-0.16	0.28	-0.13	-0.23	0.29	-0.08	-0.03	0.05	0.02	0.37	-0.33	0.11	-0.41

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

17000 MHz	INTERCEPT (mV)	4738.6
	SLOPE (mV/dB)	69.40

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	244	557	936	1255	1593	1976	2299	2656	3016	3357	3718	4033	4403	4719
Error (mV)	17	-17	15	-13	-22	14	-10	-1	12	6	20	-12	11	-20
LINEARITY ERROR (dB)	0.24	-0.25	0.21	-0.19	-0.32	0.19	-0.15	-0.01	0.18	0.09	0.29	-0.17	0.16	-0.28
ACCURACY ERROR (dB)	0.27	-0.22	0.23	-0.18	-0.31	0.20	-0.15	-0.01	0.17	0.07	0.27	-0.20	0.13	-0.32

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

18000 MHz	INTERCEPT (mV)	4687.2
	SLOPE (mV/dB)	69.19

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
Measured Value (mV)	222	503	894	1217	1544	1931	2252	2621	2981	3305	3669	3978	4359	4664
Error (mV)	32	-33	12	-11	-30	11	-14	9	24	2	20	-17	18	-23
LINEARITY ERROR (dB)	0.46	-0.47	0.18	-0.16	-0.43	0.16	-0.20	0.14	0.34	0.02	0.28	-0.25	0.26	-0.34
ACCURACY ERROR (dB)	-0.04	-1.00	-0.37	-0.72	-1.02	-0.45	-0.83	-0.52	-0.34	-0.67	-0.43	-0.99	-0.50	-1.12

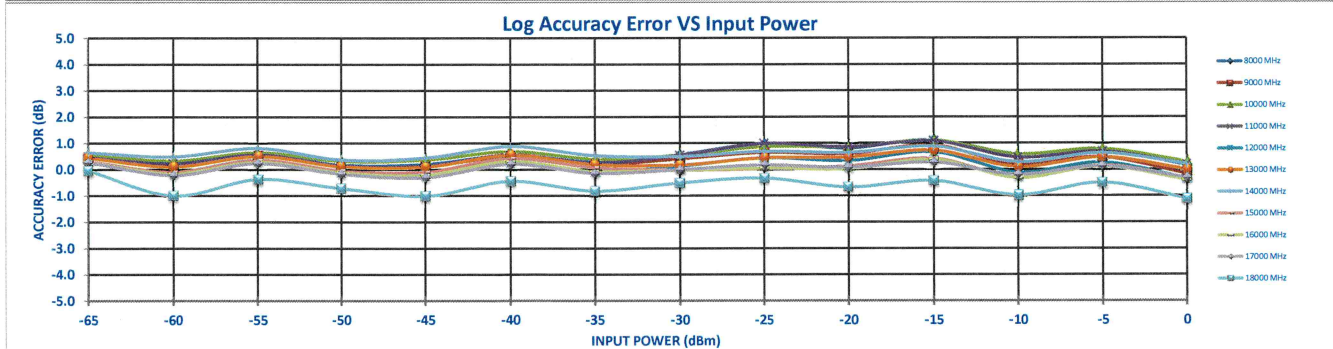
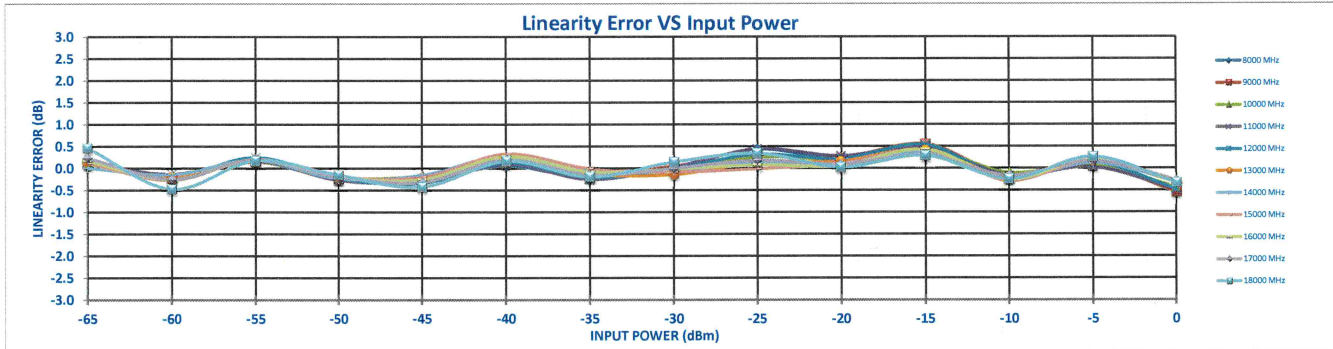
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.35	0.74	0.59	0.55	0.73	0.66	0.68	0.54	0.66	0.76	0.78	0.78	0.64	0.70
------	------	------	------	------	------	------	------	------	------	------	------	------	------

-65dBm mV-Out

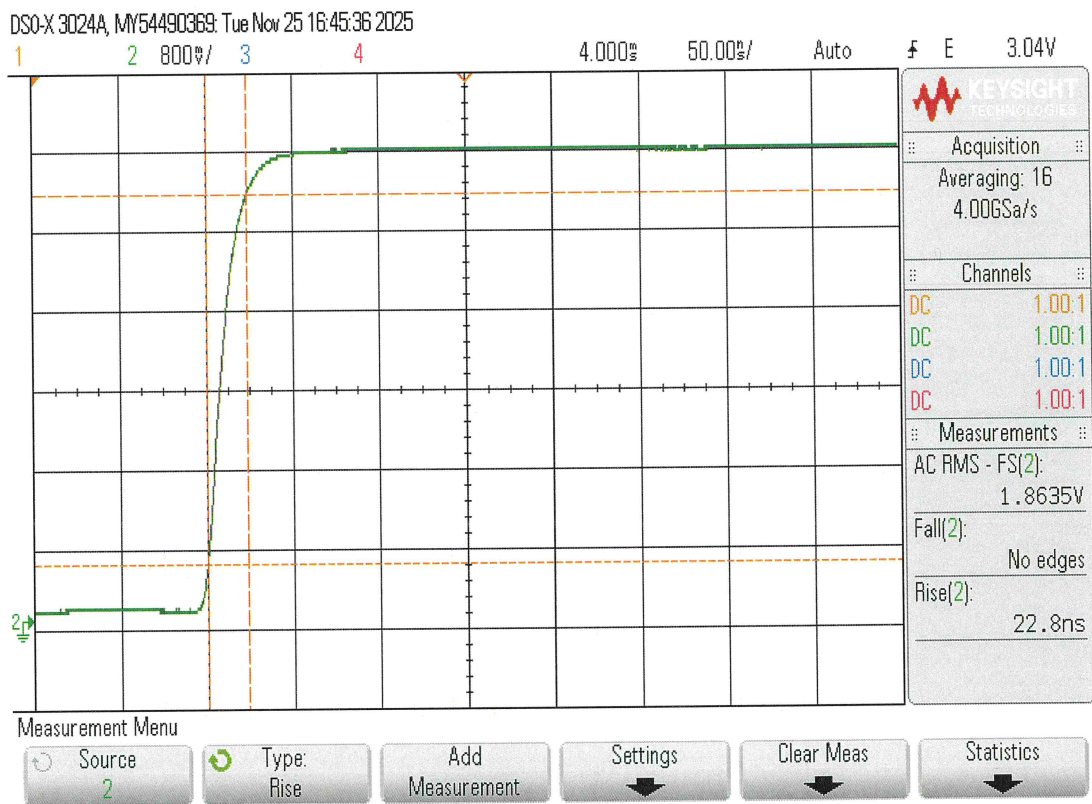
270	Max
222	Min



Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RISE TIME/SETTING TIME @ 0dBm

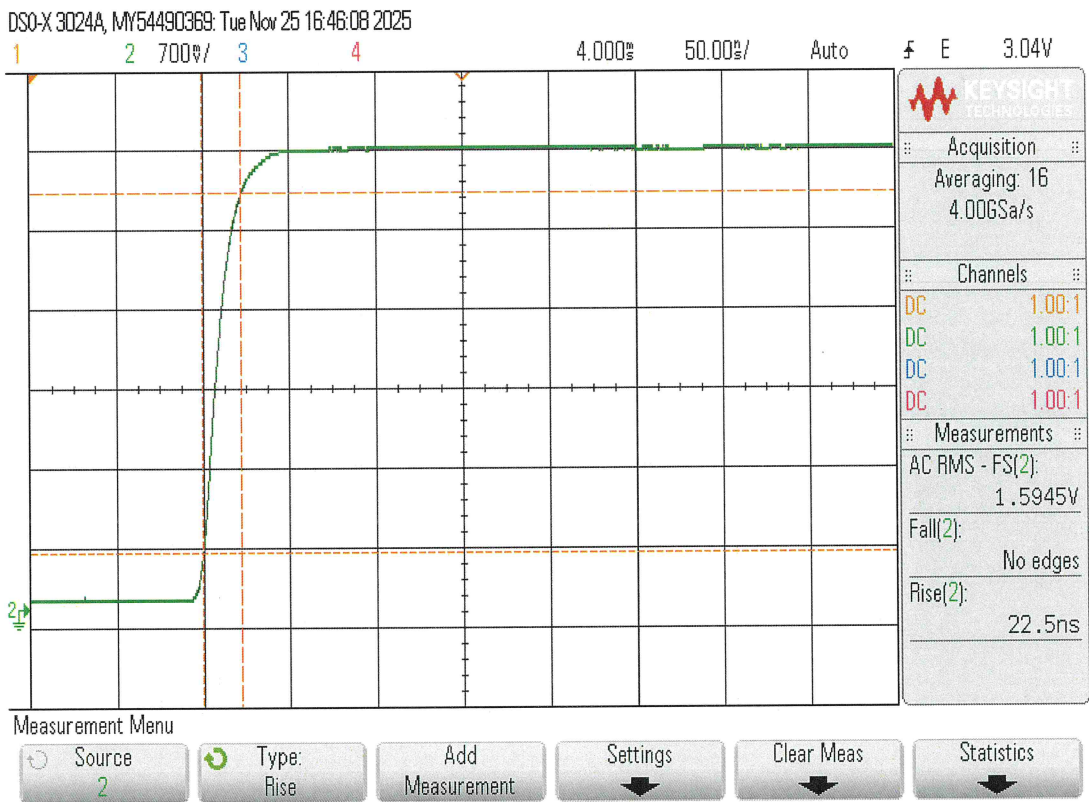


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RISE TIME/SETTING TIME @ -10dBm

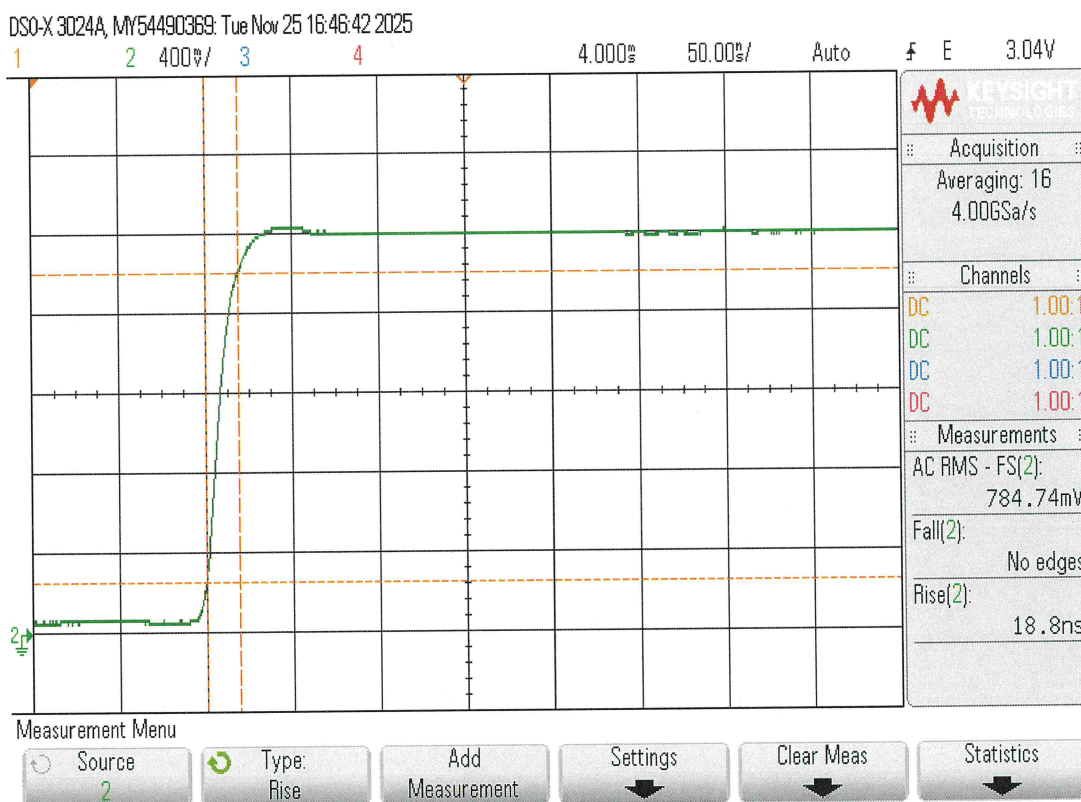


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RISE TIME/SETTING TIME @ -40dBm

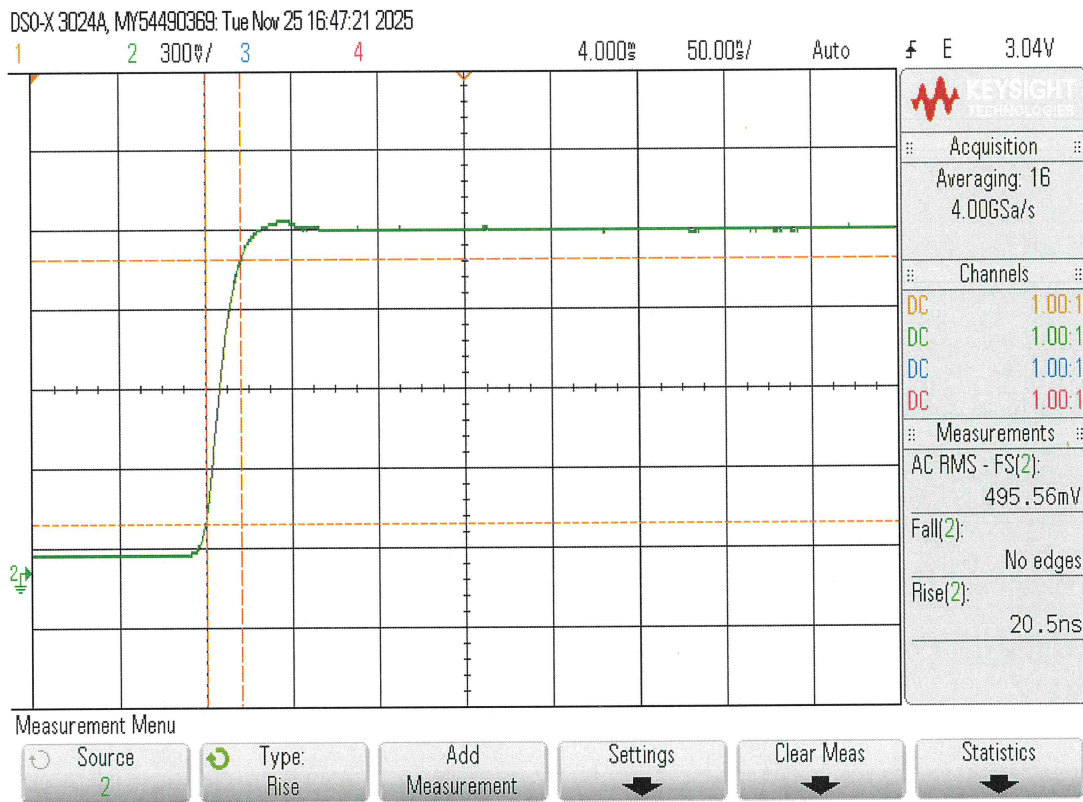


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RISE TIME/SETTING TIME @ -50dBm



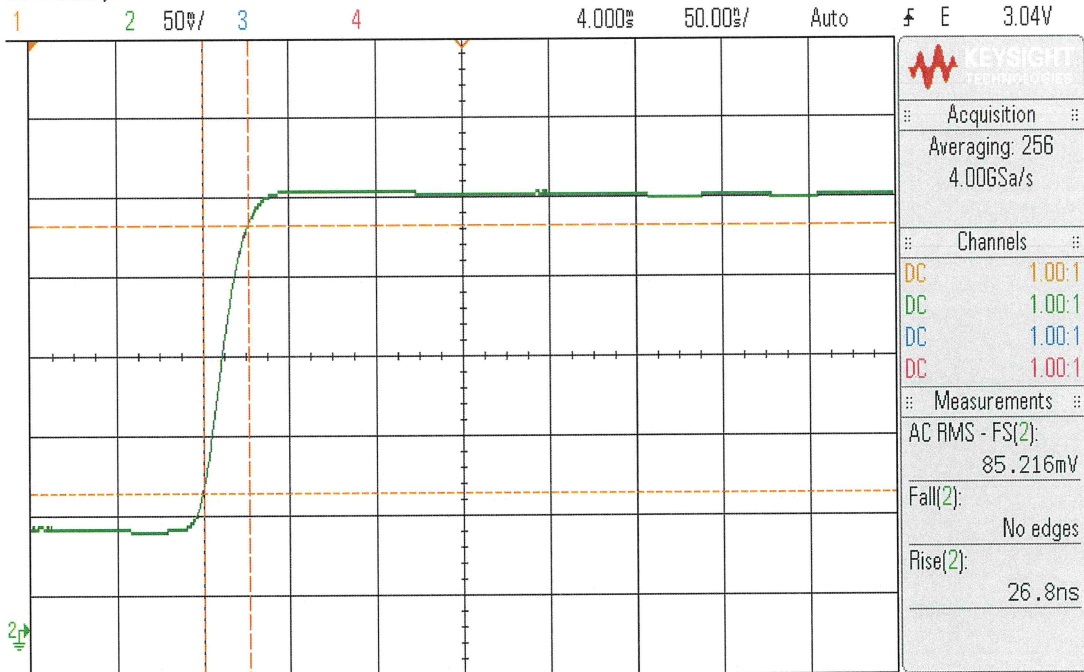
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RISE TIME/SETTING TIME @ -65dBm

DSO-X 3024A, MY54490369: Tue Nov 25 16:48:17 2025



Acquire Menu

Acq Mode
Averaging

Avgs
256

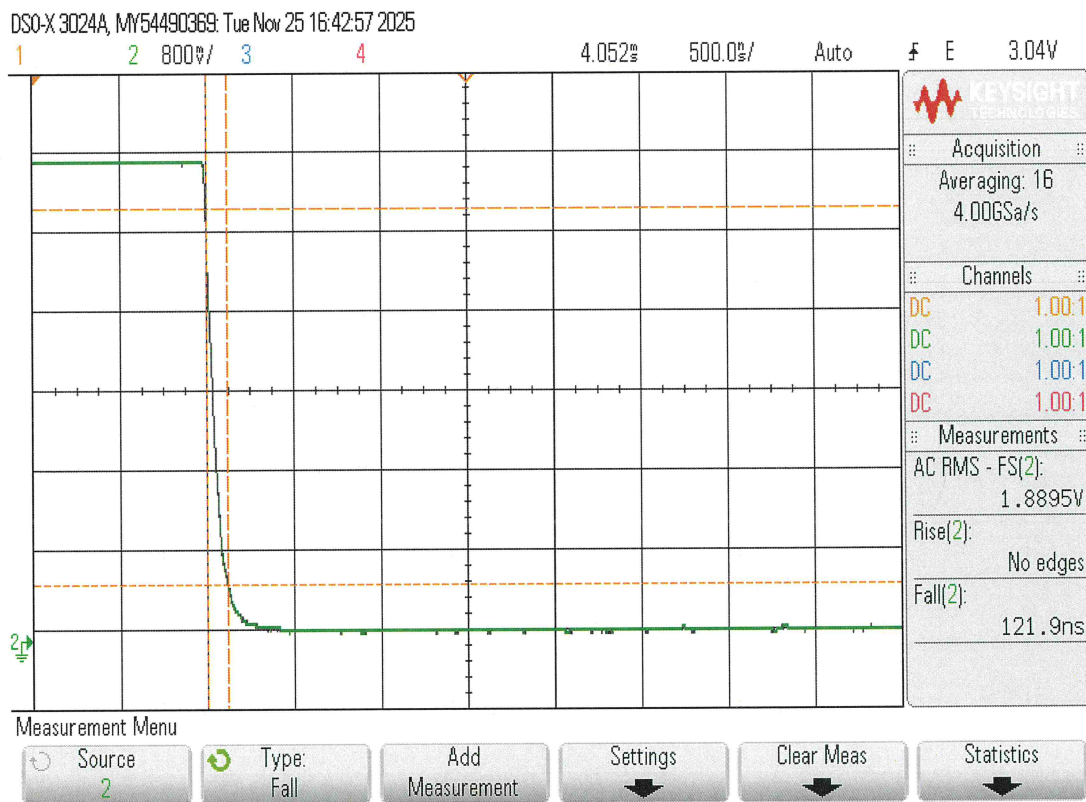
Segmented
↓

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RECOVERY TIME @ 0dBm

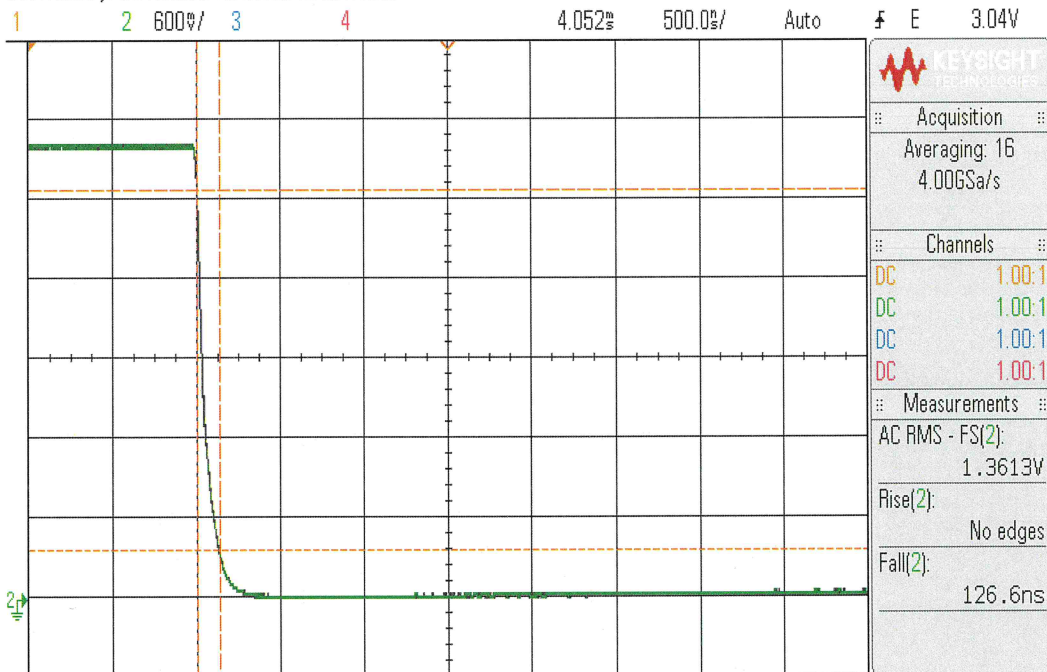


Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RECOVERY TIME @ -20dBm

DSO-X 3024A, MY54490369, Tue Nov 25 16:43:41 2025



Measurement Menu

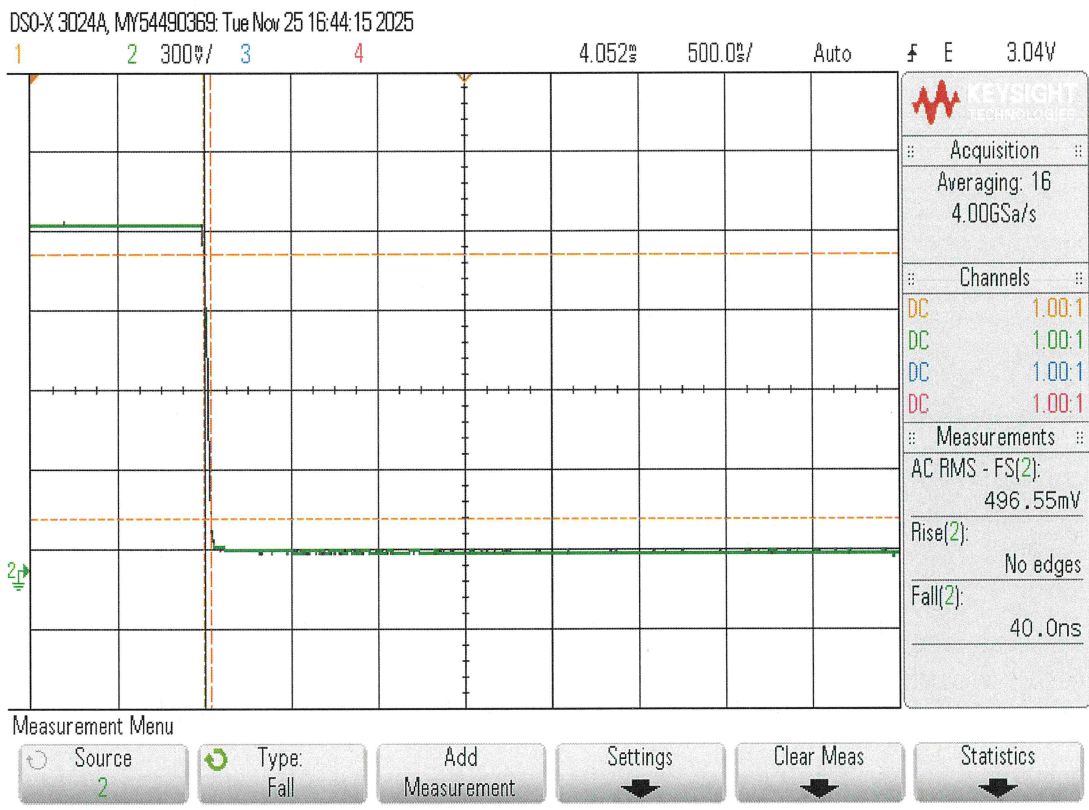
Source 2 Type: Fall Add Measurement Settings Clear Meas Statistics

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RECOVERY TIME @ -50dBm



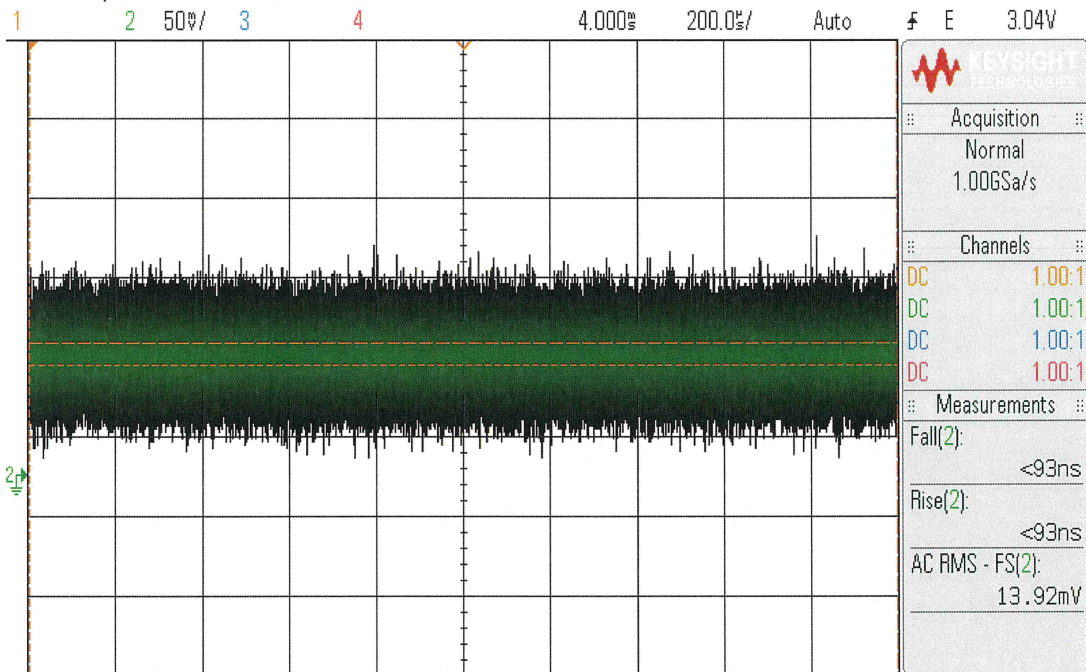
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

RMS NOISE

DSO-X 3024A, MY54490369, Tue Nov 25 16:50:09 2025



Measurement Menu

Source 2 Type: AC RMS - FS Add Measurement Settings Clear Meas Statistics

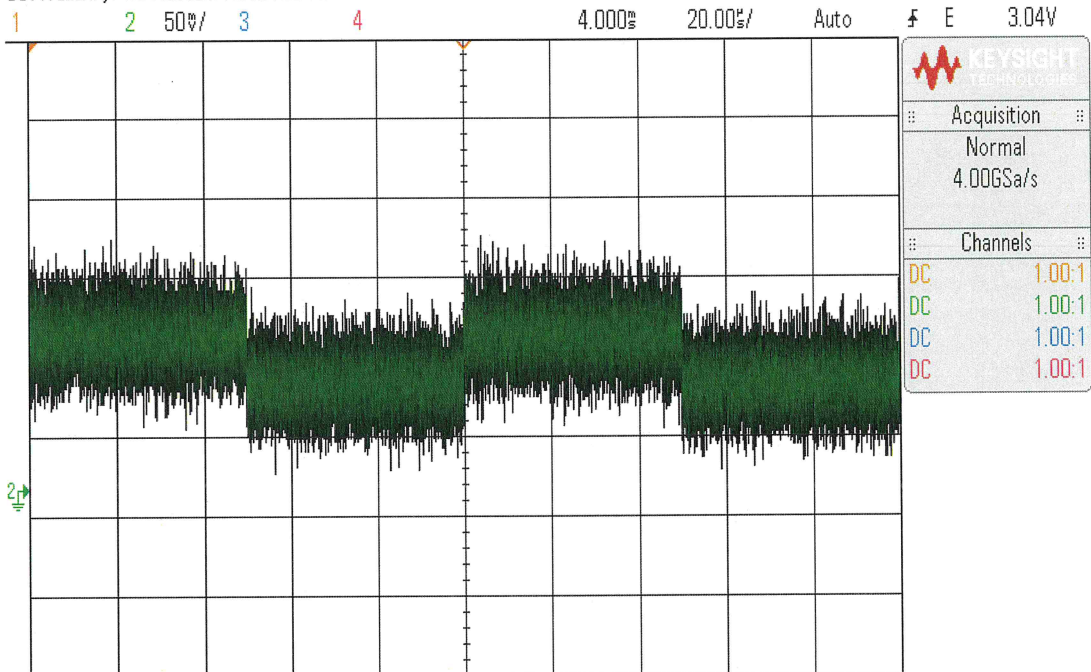
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

TSS

DSO-X 3024A, MY54490369: Tue Nov 25 16:49:26 2025



Cursors Menu

Mode
Off

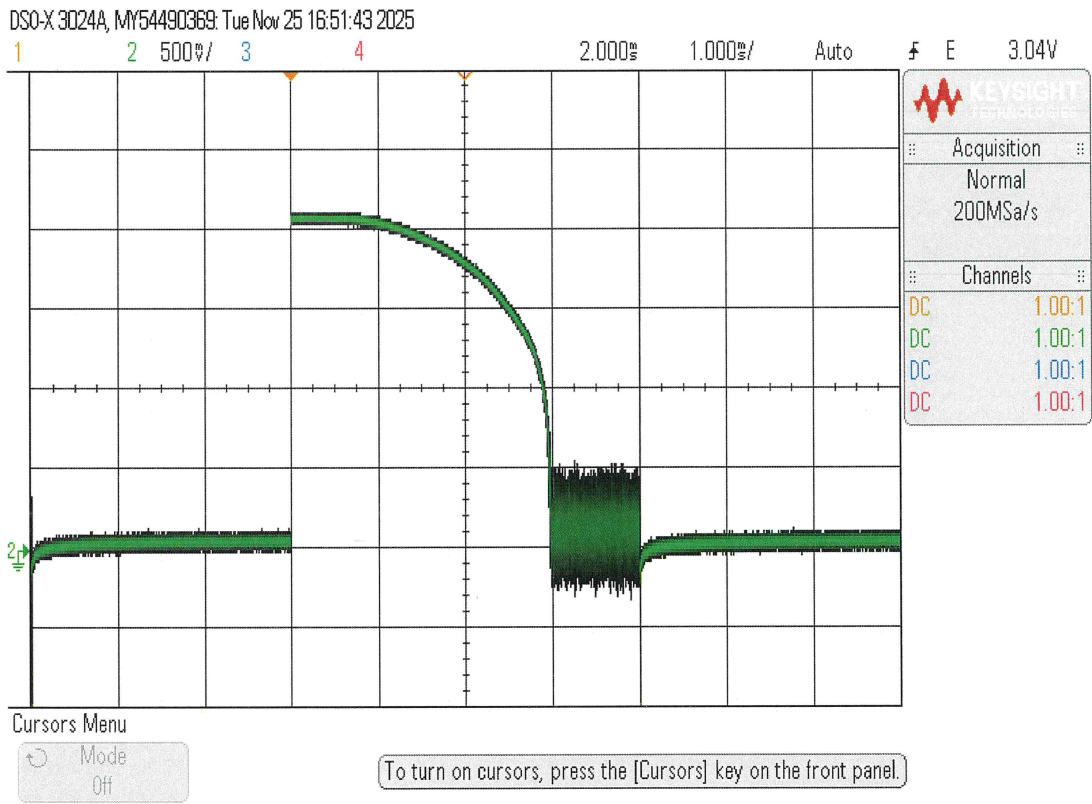
To turn on cursors, press the [Cursors] key on the front panel.

7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

CW IMMUNITY TIME

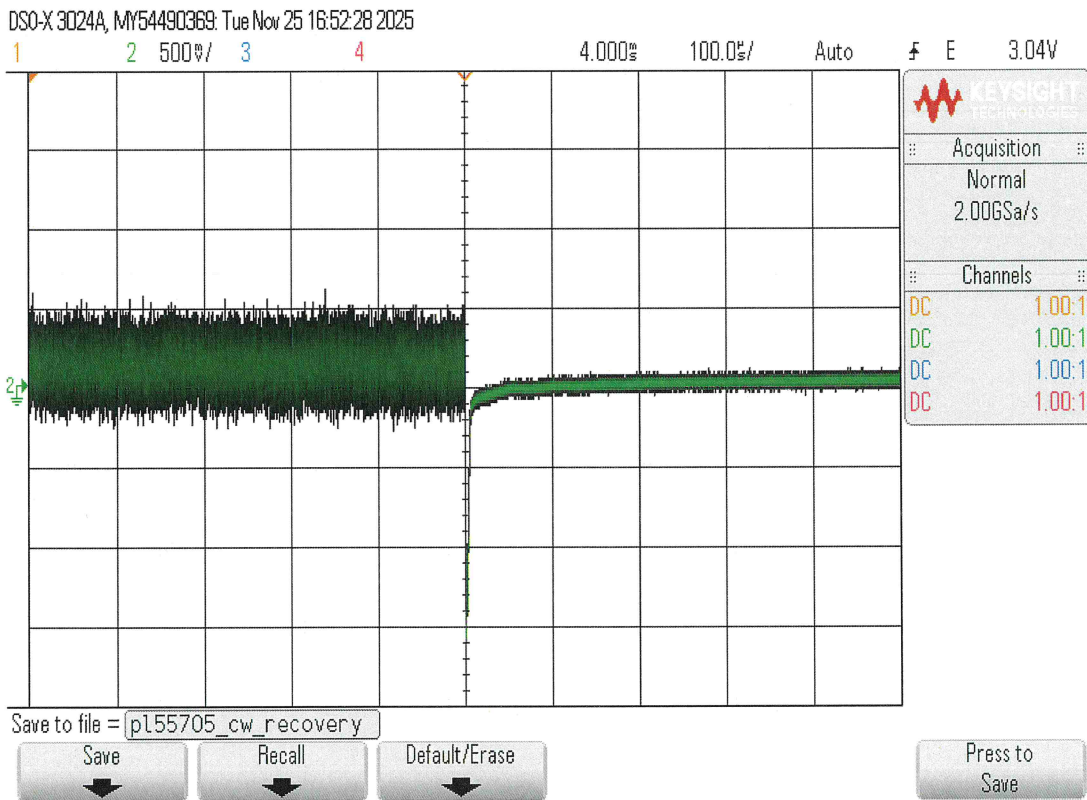


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55705/2548

CW RECOVERY TIME



7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com