


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

Customer: \_\_\_\_\_ Tested By: Jim Hopson  
 SO No: \_\_\_\_\_ Temperature: +25°C (Unless Otherwise Specified)  
 Model No: ERDLVA-8G18G-65-70MV-2 Date 11/29/2025  
 Serial No: PL55706/2548 Drawing No: 27650100 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	8 to 18 GHz	8 to 18 GHz	<b>PMI</b> <b>QA3</b> 
2	Input VSWR:	2.3:1 Max	1.91:1	
3	Input Power Max:	(1) 1 W CW (2) 100 W Peak @ PW = 1 us & Duty Cycle = 1%	<b>Pass</b> (By Design)	
4	Switch Isolation:	60 dB Min (All Ports)	<b>&gt;60dB</b>	
5	Switching Speed:	100 ns Max	<b>&lt;100ns</b>	

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

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

Serial No: PL55706/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
6	TSS:	-71 dBm	-73 dBm	<b>PMI QA<sup>2</sup></b>
7	Dynamic Range:	-65 to 0 dBm	-65 to 0 dBm	
8	Log Slope:	70 mV/dB ±3 mV/dB	68.68/69.56mV/dB	
9	Log Linearity:	±1.0 dB Max	+42/-40dB	
10	Log Accuracy @ 25°C:	±1.75 dB Max	+1.04/-1.01dB	
11	Absolute Log Accuracy:	±2.0 dB Max	+1.18/-1.22dB	
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)	27.0ns	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	126.6ns	
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	±.85 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	

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

Serial No: PL55706/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	224/298mV	PMI Q43
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	14.11mV	
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	3.4ms	
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. Klamm Date: 12-4-25

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LOG TRANSFER WITH FREQUENCY  
 MODEL: ERLVA-8G18G-65-70MV-2  
 TESTED BY: JIM HOPSON  
 DATE: 11/29/25  
 SERIAL NO: PL55706-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)	4803.5
	SLOPE (mV/dB)	69.35

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
293	665	988	1328	1689	2014	2358	2724	3074	3414	3778	4107	4476	4789	
-3	22	-2	-8	6	-16	-18	1	4	-3	15	-3	19	-15	
-0.04	0.32	-0.02	-0.12	0.09	-0.23	-0.27	0.01	0.06	-0.04	0.21	-0.04	0.28	-0.21	
0.55	0.93	0.60	0.51	0.73	0.43	0.41	0.70	0.76	0.68	0.94	0.69	1.03	0.56	

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

9000 MHz	INTERCEPT (mV)	4774.5
	SLOPE (mV/dB)	68.68

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
298	673	995	1334	1695	2019	2363	2716	3054	3398	3760	4083	4451	4755	
-12	19	-2	-7	11	-8	-8	2	-4	-3	16	-5	20	-20	
-0.18	0.28	-0.03	-0.10	0.16	-0.12	-0.11	0.03	-0.05	-0.04	0.23	-0.07	0.29	-0.28	
0.62	1.04	0.70	0.60	0.82	0.51	0.48	0.58	0.47	0.44	0.68	0.35	0.67	0.06	

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

10000 MHz	INTERCEPT (mV)	4785.7
	SLOPE (mV/dB)	69.12

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
285	656	982	1326	1686	2012	2356	2708	3050	3400	3763	4097	4461	4767	
-8	18	-2	-4	11	-9	-10	-4	-8	-3	14	3	21	-19	
-0.11	0.25	-0.03	-0.05	0.16	-0.13	-0.15	-0.06	-0.11	-0.05	0.20	0.04	0.30	-0.27	
0.43	0.80	0.51	0.49	0.69	0.40	0.38	0.47	0.41	0.47	0.72	0.55	0.81	0.24	

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

11000 MHz	INTERCEPT (mV)	4785.9
	SLOPE (mV/dB)	69.47

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
269	635	966	1302	1659	1994	2336	2704	3063	3404	3756	4086	4454	4767	
-1	17	1	-11	-1	-13	-19	2	14	7	12	-5	15	-19	
-0.02	0.25	0.01	-0.15	-0.01	-0.19	-0.27	0.03	0.20	0.11	0.17	-0.08	0.22	-0.27	
0.20	0.49	0.28	0.14	0.30	0.14	0.09	0.41	0.60	0.53	0.62	0.39	0.71	0.24	

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

12000 MHz	INTERCEPT (mV)	4764.1
	SLOPE (mV/dB)	69.56

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
243	603	941	1273	1626	1970	2311	2687	3047	3383	3742	4056	4431	4737	
0	12	2	-13	-8	-12	-19	10	22	10	21	-13	15	-27	
0.00	0.18	0.04	-0.19	-0.12	-0.17	-0.27	0.14	0.31	0.14	0.30	-0.18	0.21	-0.39	
-0.17	0.03	-0.08	-0.28	-0.18	-0.20	-0.27	0.16	0.37	0.23	0.42	-0.04	0.38	-0.20	

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

13000 MHz	INTERCEPT (mV)	4751.6
	SLOPE (mV/dB)	69.24

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
248	609	945	1282	1638	1981	2321	2671	3023	3362	3729	4043	4428	4740	
-3	12	1	-8	2	-1	-7	-4	2	-5	16	-16	23	-12	
-0.05	0.17	0.02	-0.11	0.03	-0.02	-0.11	-0.05	0.03	-0.07	0.23	-0.23	0.33	-0.17	
-0.10	0.12	-0.02	-0.15	0.00	-0.04	-0.13	-0.07	0.02	-0.08	0.23	-0.23	0.34	-0.15	

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

14000 MHz	INTERCEPT (mV)	4787.8
	SLOPE (mV/dB)	69.23

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
280	652	977	1315	1677	2016	2362	2711	3061	3403	3753	4082	4458	4781	
-8	18	-3	-11	5	-2	-3	0	4	0	4	-13	16	-7	
-0.11	0.26	-0.04	-0.16	0.07	-0.04	-0.04	0.00	0.06	0.00	0.05	-0.19	0.24	-0.10	
0.36	0.74	0.44	0.33	0.56	0.46	0.46	0.51	0.57	0.52	0.58	0.33	0.77	0.44	

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

15000 MHz	INTERCEPT (mV)	4762.9
	SLOPE (mV/dB)	69.18

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
258	625	957	1298	1658	1998	2344	2682	3022	3371	3734	4057	4440	4758	
-8	13	-1	-6	8	2	3	-5	-11	-8	9	-14	23	-5	
-0.12	0.19	-0.01	-0.08	0.12	0.04	0.04	-0.08	-0.16	-0.12	0.13	-0.20	0.33	-0.07	
0.04	0.35	0.15	0.08	0.29	0.20	0.20	0.09	0.01	0.05	0.30	-0.03	0.51	0.11	

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

16000 MHz	INTERCEPT (mV)	4730.8
	SLOPE (mV/dB)	68.83

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
249	607	944	1281	1640	1986	2329	2674	3001	3341	3711	4018	4410	4724	
-8	6	-1	-8	6	8	7	8	-9	-13	13	-25	23	-7	
-0.12	0.08	-0.02	-0.12	0.09	0.12	0.10	0.12	-0.13	-0.19	0.18	-0.36	0.34	-0.10	
-0.09	0.09	-0.04	-0.17	0.03	0.03	-0.01	-0.02	-0.30	-0.38	-0.03	-0.59	0.08	-0.38	

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

17000 MHz	INTERCEPT (mV)	4734.2
	SLOPE (mV/dB)	69.12

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
242	591	931	1270	1626	1977	2320	2670	2998	3334	3701	4025	4415	4731	
0	4	-2	-8	2	7	5	9	-8	-18	4	-18	26	-3	
0.00	0.05	-0.03	-0.12	0.03	0.11	0.07	0.13	-0.12	-0.26	0.05	-0.26	0.38	-0.05	
-0.19	-0.14	-0.23	-0.32	-0.18	-0.10	-0.14	-0.08	-0.34	-0.48	-0.18	-0.49	0.15	-0.28	

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

18000 MHz	INTERCEPT (mV)	4706.4
	SLOPE (mV/dB)	69.02

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
224	560	909	1246	1600	1954	2294	2657	2984	3298	3676	3989	4390	4703	
4	-5	-1	-9	0	9	3	21	3	-28	5	-27	29	-3	
0.06	-0.07	-0.02	-0.13	0.00	0.12	0.05	0.31	0.05	-0.40	0.07	-0.39	0.42	-0.05	
-0.45	-0.59	-0.54	-0.67	-0.55	-0.43	-0.52	-0.27	-0.54	-1.00	-0.54	-1.01	-0.21	-0.69	

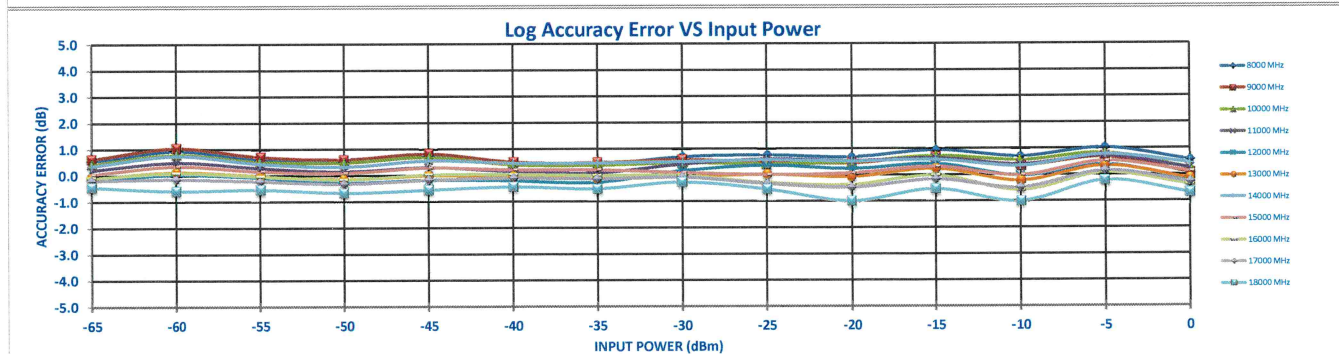
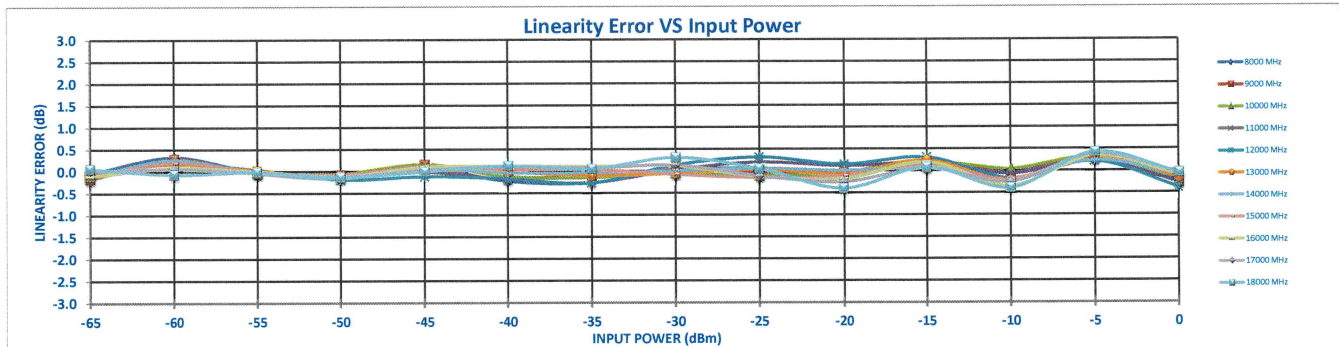
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.53	0.82	0.62	0.64	0.69	0.47	0.50	0.48	0.65	0.84	0.74	0.85	0.62	0.62
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-65dBm mV-Out

298	Max
224	Min





DC Offset= 0.037

Frequency

8000 MHz	INTERCEPT (mV)	4798.6
	SLOPE (mV/dB)	69.30

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
290	662	987	1326	1685	2011	2356	2721	3071	3410	3775	4102	4472	4782	
-4	21	0	-8	5	-16	-17	1	5	-3	16	-4	20	-17	
-0.06	0.31	0.00	-0.11	0.07	-0.23	-0.25	0.02	0.07	-0.04	0.23	-0.05	0.29	-0.24	
0.36	0.74	0.44	0.34	0.53	0.25	0.24	0.51	0.58	0.48	0.75	0.48	0.83	0.32	

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

9000 MHz	INTERCEPT (mV)	4781.2
	SLOPE (mV/dB)	68.67

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
305	678	1002	1342	1704	2027	2371	2723	3061	3407	3764	4092	4456	4761	
-13	17	-2	-6	13	-7	-7	2	-4	-1	13	-3	18	-20	
-0.19	0.25	-0.04	-0.08	0.19	-0.11	-0.10	0.03	-0.05	-0.01	0.19	-0.04	0.26	-0.29	
0.58	0.97	0.66	0.57	0.81	0.48	0.45	0.54	0.43	0.43	0.60	0.34	0.60	0.01	

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

10000 MHz	INTERCEPT (mV)	4786.5
	SLOPE (mV/dB)	69.07

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
286	662	986	1328	1688	2014	2358	2713	3056	3404	3765	4097	4460	4766	
-11	20	-2	-5	10	-10	-11	-1	-4	-1	15	1	19	-20	
-0.16	0.29	-0.02	-0.07	0.14	-0.14	-0.16	-0.02	-0.05	-0.01	0.21	0.02	0.27	-0.30	
0.30	0.74	0.43	0.37	0.58	0.29	0.26	0.40	0.36	0.39	0.61	0.41	0.66	0.08	

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

11000 MHz	INTERCEPT (mV)	4792.1
	SLOPE (mV/dB)	69.55

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
269	637	968	1305	1663	1997	2339	2706	3067	3409	3760	4094	4459	4773	
-3	18	1	-10	0	-13	-19	0	14	8	11	-3	15	-19	
-0.04	0.25	0.01	-0.14	0.01	-0.19	-0.27	0.00	0.19	0.11	0.16	-0.04	0.21	-0.28	
0.06	0.38	0.17	0.04	0.22	0.04	-0.01	0.30	0.52	0.46	0.54	0.37	0.65	0.19	

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

12000 MHz	INTERCEPT (mV)	4777.9
	SLOPE (mV/dB)	69.63

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
254	612	948	1284	1639	1980	2322	2696	3057	3397	3750	4073	4443	4753	
2	12	0	-12	-5	-13	-19	7	20	12	17	-9	13	-25	
0.03	0.17	0.00	-0.18	-0.08	-0.18	-0.27	0.10	0.29	0.17	0.24	-0.12	0.19	-0.36	
-0.16	0.02	-0.12	-0.27	-0.13	-0.20	-0.26	0.15	0.37	0.29	0.39	0.06	0.41	-0.10	

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

13000 MHz	INTERCEPT (mV)	4752.3
	SLOPE (mV/dB)	69.18

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
255	611	948	1285	1640	1983	2322	2676	3026	3367	3731	4044	4428	4739	
-1	10	1	-8	1	-2	-9	-1	3	-2	16	-16	22	-13	
-0.01	0.14	0.01	-0.12	0.01	-0.03	-0.13	-0.01	0.05	-0.02	0.24	-0.24	0.31	-0.19	
-0.14	0.00	-0.12	-0.25	-0.12	-0.16	-0.26	-0.14	-0.08	-0.14	0.12	-0.36	0.20	-0.31	

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

14000 MHz	INTERCEPT (mV)	4778.5
	SLOPE (mV/dB)	69.15

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
273	646	974	1312	1672	2012	2356	2706	3056	3394	3747	4070	4450	4770	
-11	16	-2	-9	5	-1	-2	2	6	-2	6	-17	17	-9	
-0.16	0.23	-0.02	-0.13	0.07	-0.01	-0.04	0.03	0.09	-0.02	0.08	-0.25	0.25	-0.12	
0.12	0.51	0.25	0.14	0.35	0.26	0.24	0.30	0.36	0.25	0.35	0.02	0.52	0.14	

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

15000 MHz	INTERCEPT (mV)	4762.9
	SLOPE (mV/dB)	69.21

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
257	622	955	1297	1656	1999	2343	2681	3020	3370	3733	4058	4440	4758	
-7	12	-1	-5	8	5	3	-6	-13	-9	8	-13	23	-5	
-0.10	0.17	-0.02	-0.08	0.11	0.07	0.04	-0.08	-0.18	-0.13	0.12	-0.19	0.33	-0.07	
-0.12	0.16	-0.02	-0.08	0.11	0.07	0.05	-0.06	-0.16	-0.10	0.15	-0.15	0.37	-0.03	

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

16000 MHz	INTERCEPT (mV)	4730.9
	SLOPE (mV/dB)	68.80

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
252	608	946	1282	1640	1987	2330	2675	3003	3342	3712	4018	4410	4724	
-7	5	-1	-9	5	8	7	8	-8	-13	13	-25	23	-7	
-0.10	0.07	-0.01	-0.13	0.07	0.12	0.10	0.12	-0.12	-0.19	0.19	-0.36	0.34	-0.10	
-0.19	-0.04	-0.15	-0.29	-0.12	-0.10	-0.14	-0.15	-0.41	-0.51	-0.16	-0.73	-0.06	-0.52	

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

17000 MHz	INTERCEPT (mV)	4745.5
	SLOPE (mV/dB)	69.10

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
252	604	943	1281	1640	1988	2334	2680	3011	3347	3710	4038	4424	4743	
-2	5	-2	-9	4	7	7	8	-7	-16	1	-16	24	-3	
-0.03	0.07	-0.03	-0.13	0.06	0.10	0.10	0.11	-0.10	-0.24	0.02	-0.24	0.35	-0.04	
-0.19	-0.10	-0.20	-0.31	-0.12	-0.09	-0.08	-0.08	-0.29	-0.43	-0.18	-0.44	0.14	-0.25	

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

18000 MHz	INTERCEPT (mV)	4725.1
	SLOPE (mV/dB)	69.06

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
236	582	925	1263	1620	1970	2312	2673	3002	3316	3690	4012	4406	4723	
0	0	-2	-9	2	7	4	20	3	-28	1	-22	26	-2	
-0.01	0.00	-0.03	-0.13	0.04	0.10	0.06	0.28	0.05	-0.40	0.01	-0.33	0.38	-0.03	
-0.42	-0.42	-0.46	-0.57	-0.41	-0.35	-0.40	-0.18	-0.42	-0.88	-0.47	-0.82	-0.12	-0.54	

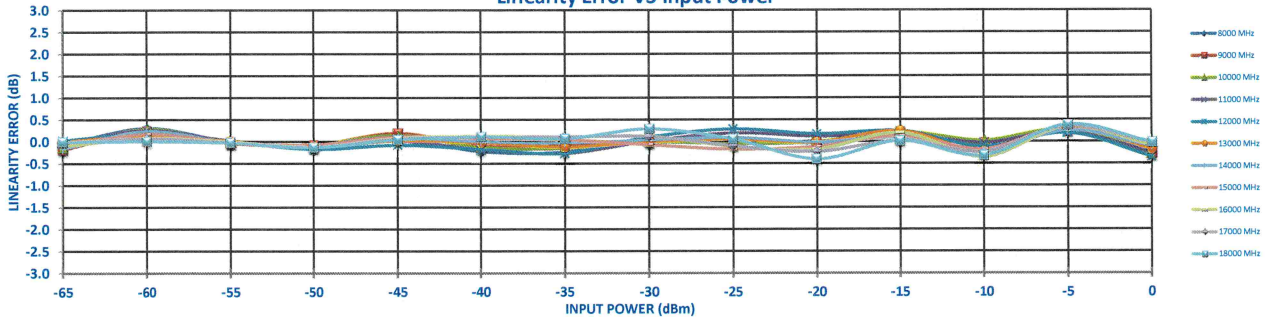
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

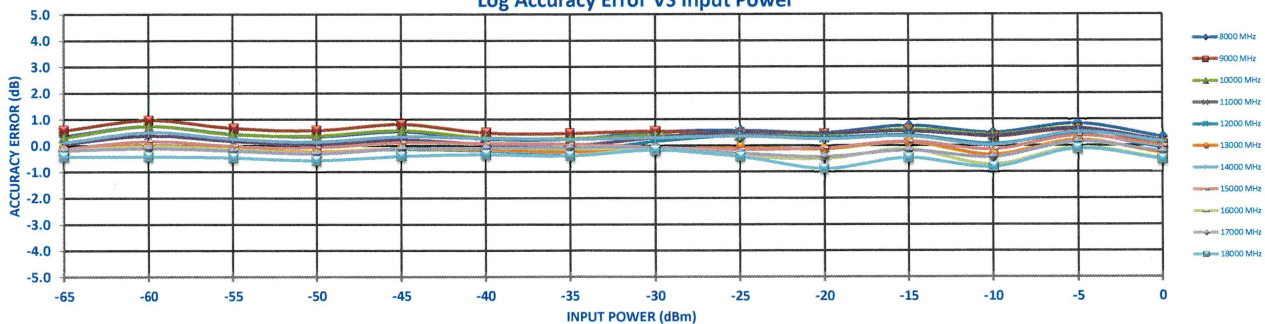
-65dBm mV-Out

305	Max
236	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: PL55706-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= 0.048

Frequency

8000 MHz	INTERCEPT (mV)	4850.5
	SLOPE (mV/dB)	70.15

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
305	671	994	1334	1698	2026	2366	2732	3086	3426	3818	4144	4539	4852	
14	29	2	-9	4	-19	-29	-14	-11	-22	20	-5	39	1	
0.20	0.42	0.02	-0.13	0.06	-0.27	-0.42	-0.20	-0.16	-0.31	0.28	-0.07	0.56	0.02	
0.64	0.88	0.49	0.36	0.56	0.25	0.11	0.34	0.41	0.27	0.87	0.53	1.18	0.66	

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

9000 MHz	INTERCEPT (mV)	4824.2
	SLOPE (mV/dB)	69.55

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
310	680	998	1338	1703	2029	2369	2724	3066	3410	3801	4124	4518	4821	
7	29	-1	-8	9	-13	-23	-14	-19	-23	20	-5	42	-3	
0.10	0.42	-0.01	-0.12	0.13	-0.19	-0.30	-0.19	-0.28	-0.33	0.29	-0.07	0.60	-0.05	
0.71	1.01	0.55	0.41	0.63	0.29	0.15	0.23	0.12	0.04	0.63	0.25	0.88	0.21	

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

10000 MHz	INTERCEPT (mV)	4839.1
	SLOPE (mV/dB)	69.99

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
299	667	990	1335	1699	2026	2366	2720	3067	3416	3807	4143	4530	4837	
9	27	0	-5	9	-13	-23	-19	-22	-23	18	4	41	-3	
0.13	0.39	0.01	-0.07	0.14	-0.19	-0.34	-0.28	-0.32	-0.33	0.25	0.05	0.58	-0.03	
0.56	0.82	0.44	0.37	0.57	0.25	0.11	0.17	0.13	0.12	0.72	0.52	1.05	0.44	

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

11000 MHz	INTERCEPT (mV)	4833.8
	SLOPE (mV/dB)	70.39

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
278	637	966	1302	1662	1999	2337	2706	3074	3414	3795	4126	4518	4832	
20	27	4	-12	-4	-19	-33	-16	0	-12	17	-4	36	-2	
0.28	0.38	0.05	-0.17	-0.06	-0.27	-0.47	-0.23	0.00	-0.17	0.24	-0.06	0.51	-0.03	
0.26	0.39	0.09	-0.10	0.05	-0.14	-0.30	-0.03	0.23	0.10	0.54	0.28	0.88	0.37	

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

12000 MHz	INTERCEPT (mV)	4799.5
	SLOPE (mV/dB)	70.36

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
250	600	937	1265	1620	1969	2302	2679	3046	3380	3772	4083	4486	4792	
24	22	7	-17	-13	-4	-19	-35	-10	5	-12	28	-13	38	-8
0.34	0.31	0.10	-0.24	-0.19	-0.23	-0.50	-0.14	0.08	-0.18	0.40	-0.18	0.54	-0.11	
-0.14	-0.14	-0.32	-0.63	-0.55	-0.56	-0.80	-0.41	-0.17	-0.39	0.21	-0.34	0.42	-0.20	

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

13000 MHz	INTERCEPT (mV)	4786.7
	SLOPE (mV/dB)	69.98

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
257	604	942	1278	1635	1983	2317	2668	3024	3364	3758	4068	4481	4792	
19	16	4	-9	-2	-4	-20	-19	-13	-23	21	-19	44	5	
0.28	0.23	0.06	-0.14	-0.03	-0.06	-0.29	-0.27	-0.19	-0.33	0.30	-0.27	0.63	0.08	
-0.04	-0.08	-0.25	-0.44	-0.34	-0.36	-0.59	-0.57	-0.48	-0.62	0.01	-0.55	0.35	-0.20	

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

14000 MHz	INTERCEPT (mV)	4829.7
	SLOPE (mV/dB)	69.91

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
295	662	985	1323	1687	2029	2367	2713	3071	3411	3789	4115	4520	4840	
9	27	0	-11	3	-4	-16	-19	-11	-21	8	-16	40	10	
0.14	0.38	0.00	-0.16	0.05	-0.06	-0.23	-0.28	-0.16	-0.29	0.11	-0.22	0.57	0.15	
0.50	0.75	0.37	0.20	0.40	0.29	0.13	0.07	0.19	0.05	0.46	0.12	0.91	0.49	

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

15000 MHz	INTERCEPT (mV)	4808.8
	SLOPE (mV/dB)	69.88

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
275	639	966	1306	1671	2014	2354	2691	3036	3384	3771	4095	4503	4821	
9	23	1	-9	7	1	-9	-21	-26	-27	10	-15	44	12	
0.12	0.33	0.01	-0.12	0.10	0.01	-0.13	-0.30	-0.37	-0.39	0.15	-0.21	0.62	0.17	
0.21	0.42	0.09	-0.04	0.17	0.08	-0.06	-0.24	-0.31	-0.33	0.20	-0.17	0.67	0.21	

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

16000 MHz	INTERCEPT (mV)	4782.5
	SLOPE (mV/dB)	69.51

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
272	629	959	1297	1660	2006	2346	2690	3024	3360	3750	4061	4478	4796	
8	17	0	-10	5	4	-4	-7	-21	-32	10	-26	43	13	
0.11	0.25	-0.01	-0.14	0.08	0.06	-0.05	-0.10	-0.30	-0.46	0.15	-0.38	0.62	0.19	
0.17	0.28	-0.01	-0.17	0.02	-0.04	-0.17	-0.26	-0.48	-0.68	-0.10	-0.65	0.31	-0.14	

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

17000 MHz	INTERCEPT (mV)	4788.2
	SLOPE (mV/dB)	69.82

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
266	614	949	1285	1649	1999	2339	2687	3019	3356	3742	4071	4485	4806	
16	15	1	-12	3	4	-6	-7	-24	-38	1	-19	46	18	
0.23	0.21	0.01	-0.17	0.04	0.05	-0.08	-0.09	-0.34	-0.51	0.02	-0.27	0.66	0.25	
0.09	0.06	-0.15	-0.34	-0.14	-0.14	-0.27	-0.30	-0.55	-0.73	-0.21	-0.51	0.41	0.00	

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

18000 MHz	INTERCEPT (mV)	4761.9
	SLOPE (mV/dB)	69.79

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
248	581	925	1260	1619	1975	2310	2673	3006	3322	3719	4037	4461	4778	
22	6	1	-13	-3	5	-9	5	-11	-44	4	-27	48	16	
0.32	0.09	0.02	-0.18	-0.04	0.06	-0.13	0.07	-0.16	-0.63	0.06	-0.39	0.69	0.23	
-0.17	-0.41	-0.49	-0.70	-0.57	-0.48	-0.69	-0.50	-0.74	-1.22	-0.54	-1.00	0.07	-0.40	

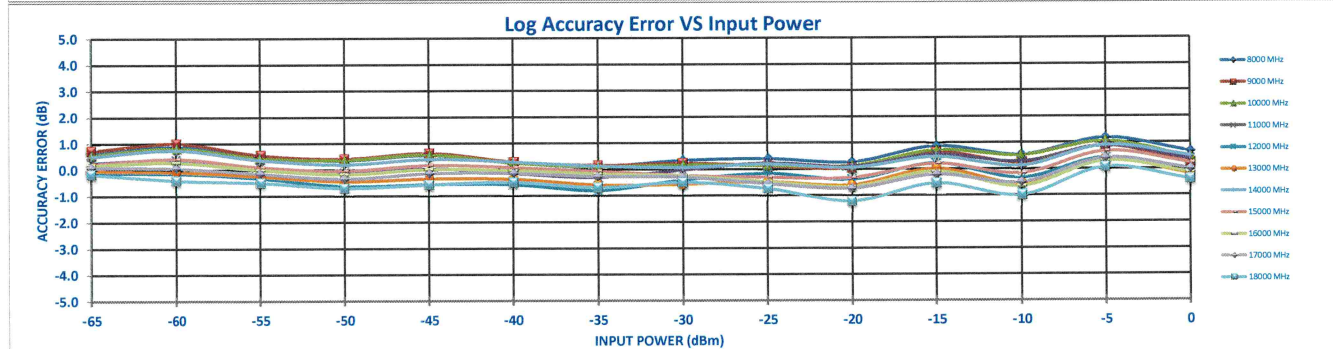
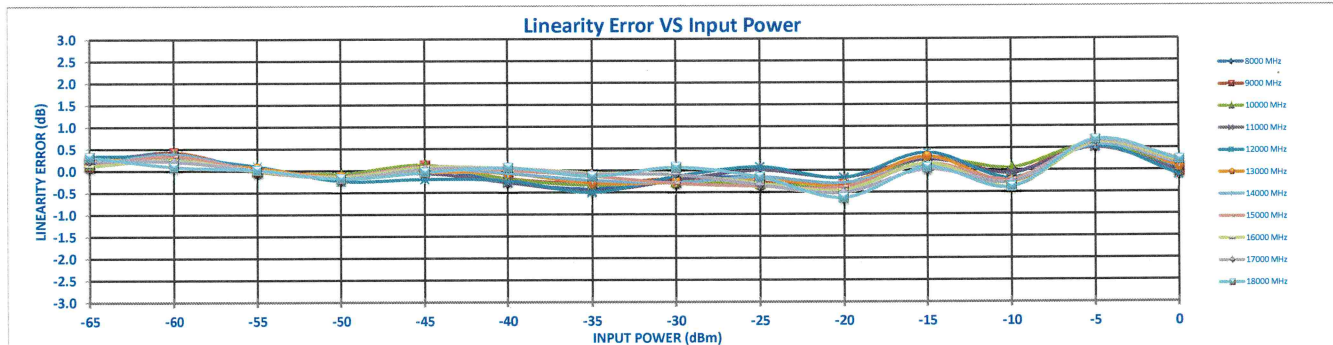
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.44	0.71	0.52	0.56	0.60	0.43	0.48	0.46	0.57	0.74	0.71	0.76	0.56	0.53	
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-65dBm mV-Out

310	Max
248	Min



LOG TRANSFER WITH FREQUENCY  
 MODEL: ERDLVA-8G18G-65-70MV-2  
 TESTED BY: JIM HOPSON  
 DATE: 11/29/25  
 SERIAL NO: PL55706-RF

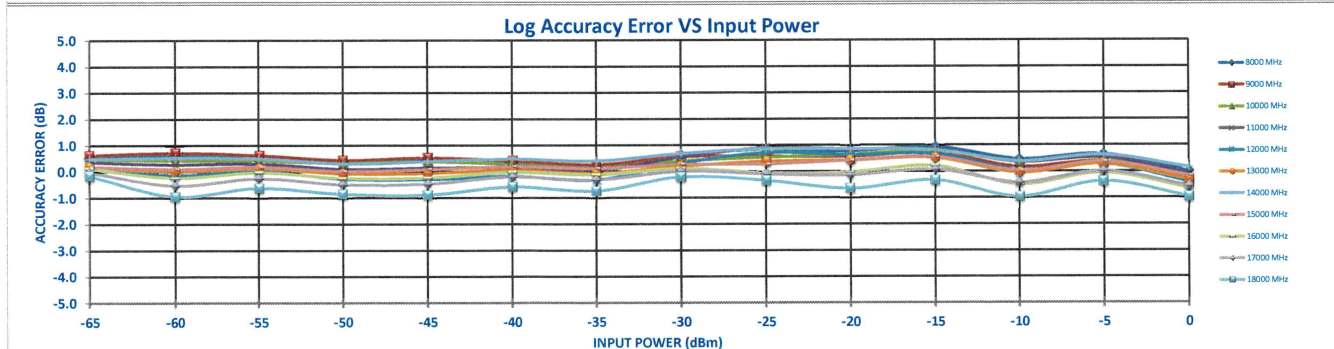
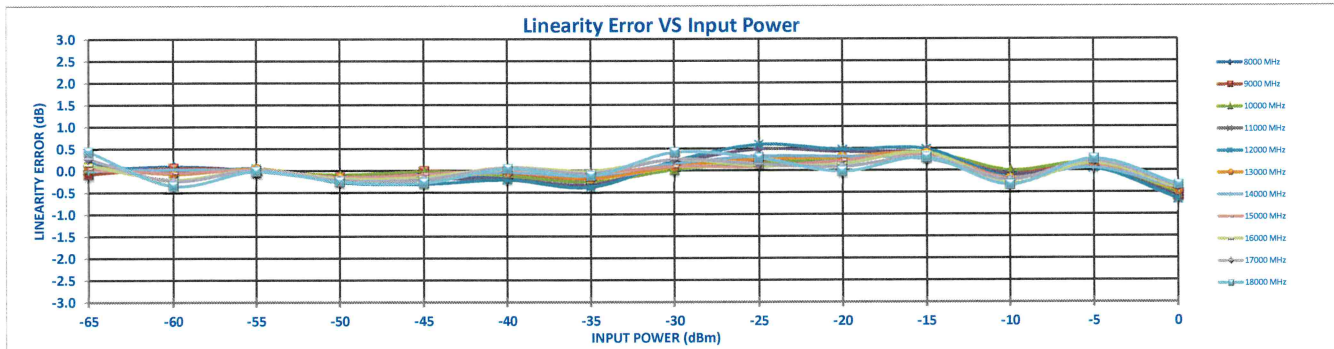
Test Temp: +85C



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= 0.048

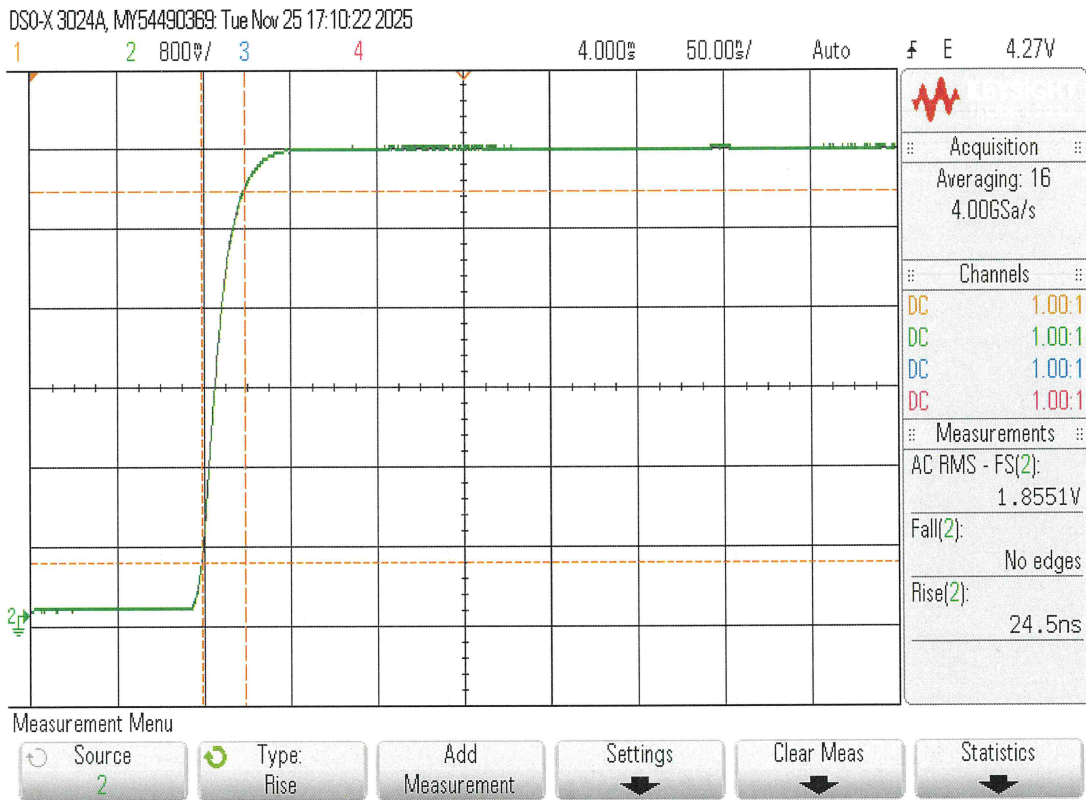
Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4735.8															Measured Value (mV)
	SLOPE (mV/dB)	69.08	247	598	937	1271	1623	1960	2295	2671	3031	3371	3728	4041	4399	4699	Error (mV)
			1	7	0	-11	-4	-13	-23	8	22	17	28	-4	9	-37	LINEARITY ERROR (dB)
			-0.02	0.10	0.01	-0.16	-0.06	-0.18	-0.33	0.11	0.32	0.24	0.41	-0.06	0.12	-0.53	ACCURACY ERROR (dB)
			0.54	0.62	0.53	0.36	0.46	0.34	0.19	0.63	0.84	0.77	0.94	0.47	0.65	-0.01	
9000 MHz	INTERCEPT (mV)	4711.1															Measured Value (mV)
	SLOPE (mV/dB)	68.50	253	605	944	1276	1628	1965	2300	2666	3012	3357	3712	4020	4379	4671	Error (mV)
			-6	4	0	-10	-1	-6	-14	10	13	16	28	-6	10	-40	LINEARITY ERROR (dB)
			-0.08	0.06	0.01	-0.15	-0.01	-0.09	-0.20	0.14	0.20	0.23	0.41	-0.09	0.15	-0.59	ACCURACY ERROR (dB)
			0.62	0.72	0.63	0.43	0.53	0.41	0.26	0.56	0.57	0.56	0.70	0.16	0.36	-0.41	
10000 MHz	INTERCEPT (mV)	4722.8															Measured Value (mV)
	SLOPE (mV/dB)	68.96	243	585	930	1268	1618	1956	2291	2655	3010	3362	3717	4033	4389	4684	Error (mV)
			3	0	0	-7	-1	-8	-18	1	11	18	29	0	11	-39	LINEARITY ERROR (dB)
			0.04	0.00	0.00	-0.10	-0.02	-0.12	-0.26	0.02	0.16	0.27	0.42	0.00	0.16	-0.56	ACCURACY ERROR (dB)
			0.48	0.43	0.42	0.32	0.39	0.28	0.13	0.40	0.54	0.64	0.78	0.35	0.51	-0.22	
11000 MHz	INTERCEPT (mV)	4733.3															Measured Value (mV)
	SLOPE (mV/dB)	69.32	235	574	922	1253	1601	1947	2284	2665	3034	3376	3720	4033	4390	4692	Error (mV)
			7	0	1	-14	-13	-14	-23	11	34	29	26	-7	3	-41	LINEARITY ERROR (dB)
			0.11	0.00	0.02	-0.21	-0.19	-0.20	-0.33	0.16	0.49	0.42	0.38	-0.10	0.05	-0.60	ACCURACY ERROR (dB)
			0.36	0.27	0.31	0.10	0.14	0.15	0.03	0.54	0.89	0.84	0.82	0.35	0.52	-0.11	
12000 MHz	INTERCEPT (mV)	4717.1															Measured Value (mV)
	SLOPE (mV/dB)	69.44	218	546	902	1227	1571	1925	2260	2649	3022	3361	3709	4011	4373	4671	Error (mV)
			14	-5	4	-18	-13	-15	-27	15	41	33	26	-12	3	-46	LINEARITY ERROR (dB)
			0.21	-0.07	0.06	-0.26	-0.31	-0.21	-0.39	0.22	0.59	0.47	0.48	-0.17	0.04	-0.66	ACCURACY ERROR (dB)
			0.12	-0.14	0.02	-0.28	-0.29	-0.17	-0.32	0.31	0.71	0.62	0.66	0.03	0.27	-0.41	
13000 MHz	INTERCEPT (mV)	4709.5															Measured Value (mV)
	SLOPE (mV/dB)	69.14	223	556	910	1241	1587	1941	2277	2641	2999	3347	3699	4005	4373	4677	Error (mV)
			7	-5	3	-12	-11	-3	-13	6	18	20	27	-13	9	-33	LINEARITY ERROR (dB)
			0.11	-0.08	0.04	-0.17	-0.16	-0.04	-0.18	0.08	0.26	0.29	0.38	-0.19	0.13	-0.47	ACCURACY ERROR (dB)
			0.19	0.01	0.13	-0.07	-0.06	0.06	-0.07	0.20	0.38	0.42	0.52	-0.05	0.27	-0.32	
14000 MHz	INTERCEPT (mV)	4738.7															Measured Value (mV)
	SLOPE (mV/dB)	69.15	244	592	935	1267	1618	1970	2310	2675	3032	3377	3719	4035	4397	4709	Error (mV)
			0	2	-1	-14	-9	-3	-9	11	22	21	17	-12	4	-30	LINEARITY ERROR (dB)
			0.00	0.03	-0.01	-0.21	-0.13	-0.04	-0.12	0.15	0.32	0.31	0.25	-0.18	0.06	-0.43	ACCURACY ERROR (dB)
			0.49	0.53	0.50	0.30	0.39	0.48	0.40	0.69	0.86	0.85	0.81	0.38	0.62	0.14	
15000 MHz	INTERCEPT (mV)	4714.5															Measured Value (mV)
	SLOPE (mV/dB)	69.14	223	562	913	1247	1597	1950	2290	2646	2991	3347	3701	4010	4379	4687	Error (mV)
			3	-4	1	-10	-6	1	-2	6	5	15	24	-13	10	-27	LINEARITY ERROR (dB)
			0.04	-0.06	0.02	-0.15	-0.09	0.02	-0.07	0.08	0.07	0.22	0.34	-0.19	0.15	-0.40	ACCURACY ERROR (dB)
			0.19	0.10	0.18	0.01	0.08	0.19	0.12	0.27	0.26	0.42	0.54	0.02	0.36	-0.18	
16000 MHz	INTERCEPT (mV)	4682.8															Measured Value (mV)
	SLOPE (mV/dB)	68.82	218	539	899	1229	1575	1935	2273	2635	2969	3316	3678	3974	4350	4654	Error (mV)
			9	-14	2	-13	-11	4	-5	17	7	10	28	-21	11	-29	LINEARITY ERROR (dB)
			0.13	-0.21	0.02	-0.18	-0.16	0.08	-0.01	0.25	0.10	0.14	0.40	-0.30	0.16	-0.42	ACCURACY ERROR (dB)
			0.12	-0.24	-0.02	-0.25	-0.24	-0.02	-0.13	0.11	-0.05	-0.03	0.21	-0.50	-0.06	-0.66	
17000 MHz	INTERCEPT (mV)	4685.9															Measured Value (mV)
	SLOPE (mV/dB)	69.17	208	519	883	1212	1559	1923	2260	2628	2966	3308	3668	3979	4355	4660	Error (mV)
			18	-16	2	-15	-14	4	-5	17	9	6	20	-15	15	-26	LINEARITY ERROR (dB)
			0.27	-0.24	0.02	-0.22	-0.20	0.06	-0.07	0.25	0.14	0.08	0.29	-0.22	0.22	-0.37	ACCURACY ERROR (dB)
			-0.03	-0.53	-0.26	-0.49	-0.47	-0.20	-0.32	0.01	-0.10	-0.15	0.07	-0.43	0.01	-0.57	
18000 MHz	INTERCEPT (mV)	4655.3															Measured Value (mV)
	SLOPE (mV/dB)	69.02	199	490	858	1187	1530	1897	2231	2613	2949	3273	3640	3942	4328	4632	Error (mV)
			30	-24	-1	-17	-19	3	-9	28	19	-2	20	-23	18	-23	LINEARITY ERROR (dB)
			0.44	-0.35	-0.02	-0.25	-0.28	0.04	-0.12	0.41	0.28	-0.03	0.29	-0.33	0.26	-0.34	ACCURACY ERROR (dB)
			-0.16	-0.95	-0.62	-0.85	-0.89	-0.57	-0.74	-0.21	-0.34	-0.65	-0.34	-0.97	-0.38	-0.98	
Flatness		+/- dB	0.39	0.83	0.62	0.64	0.71	0.53	0.57	0.45	0.62	0.75	0.64	0.72	0.51	0.56	
	-65dBm mV-Out		253	Max	199	Min											



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

Serial No: PL55706/2548

RISE TIME/SETTING TIME @ 0dBm

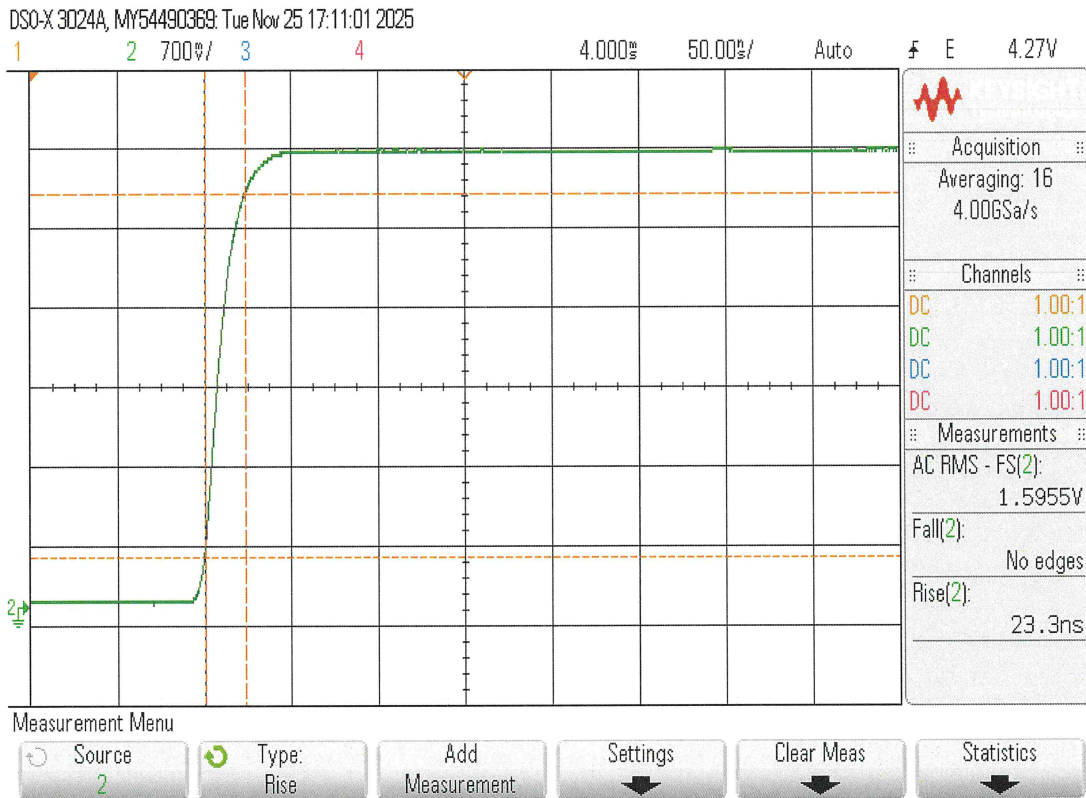


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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RISE TIME/SETTING TIME @ -10dBm

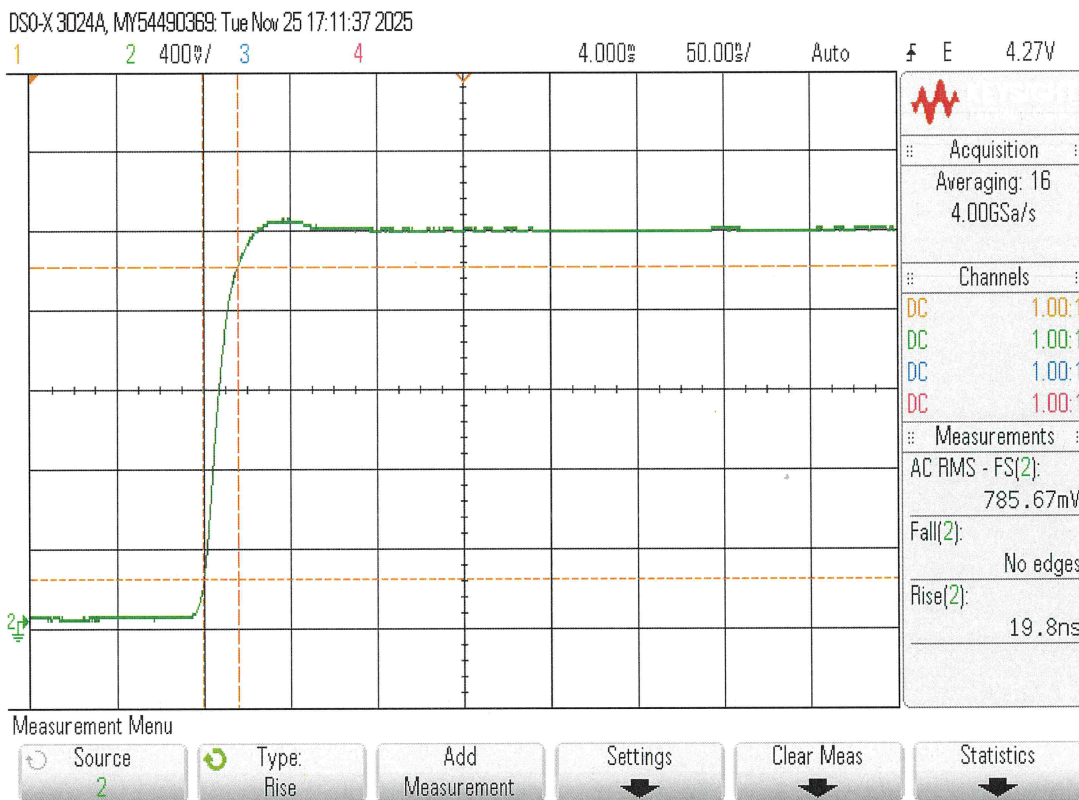


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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RISE TIME/SETTING TIME @ -40dBm

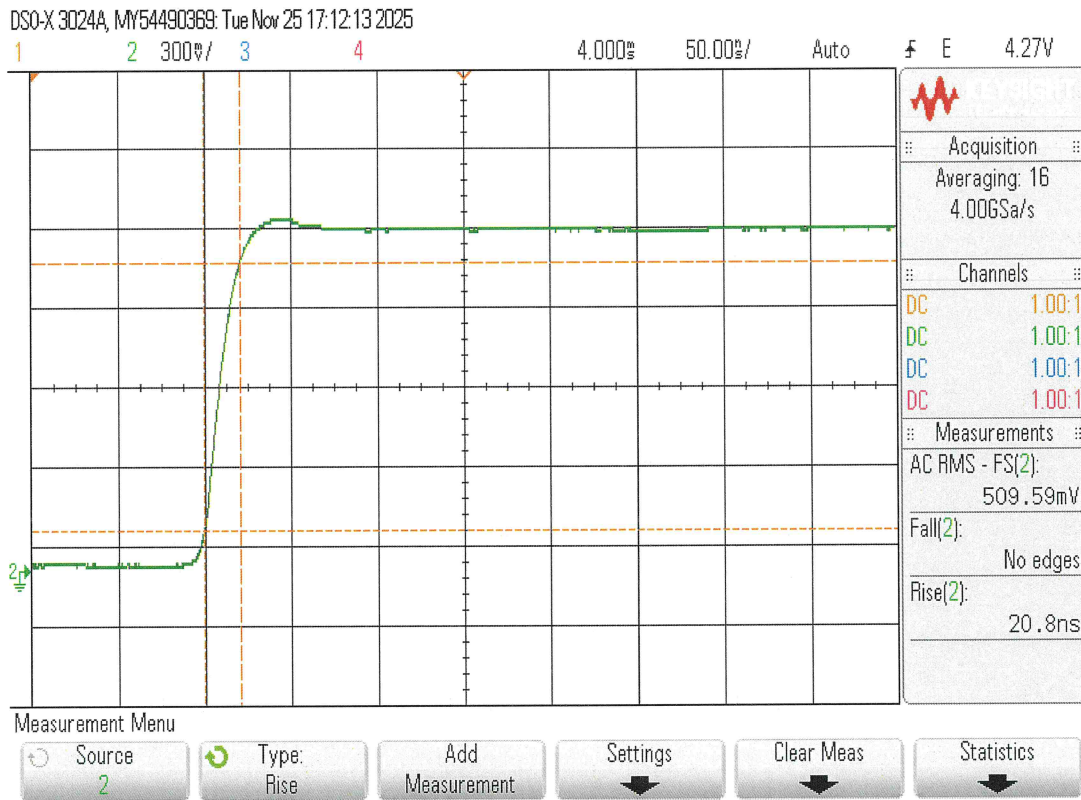


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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RISE TIME/SETTING TIME @ -50dBm

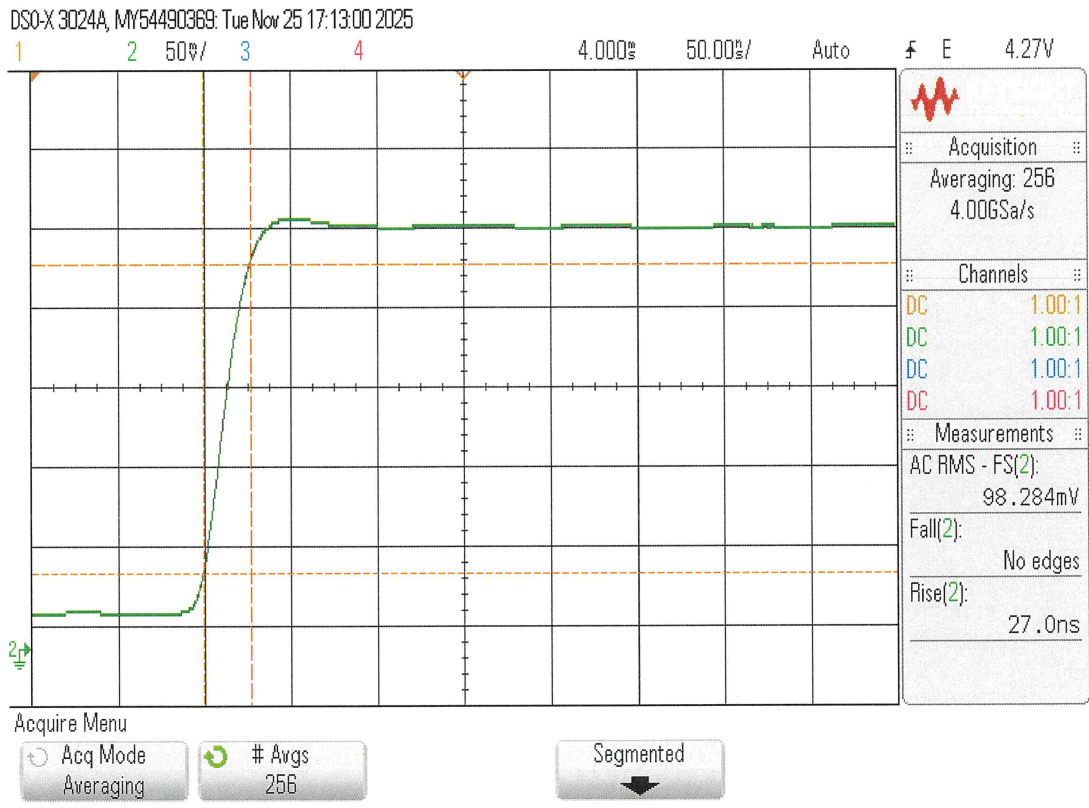


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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RISE TIME/SETTING TIME @ -65dBm



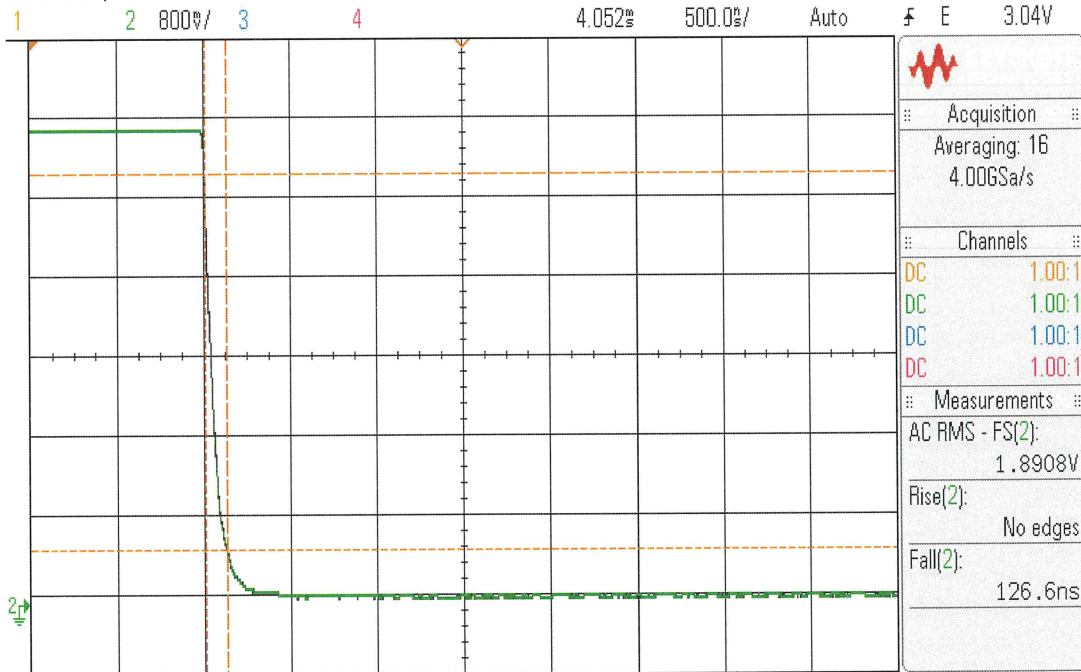
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RECOVERY TIME @ 0dBm

DSO-X 3024A, MY54490369, Tue Nov 25 17:07:22 2025



Measurement Menu

Source 2    Type: Fall    Add Measurement    Settings    Clear Meas    Statistics

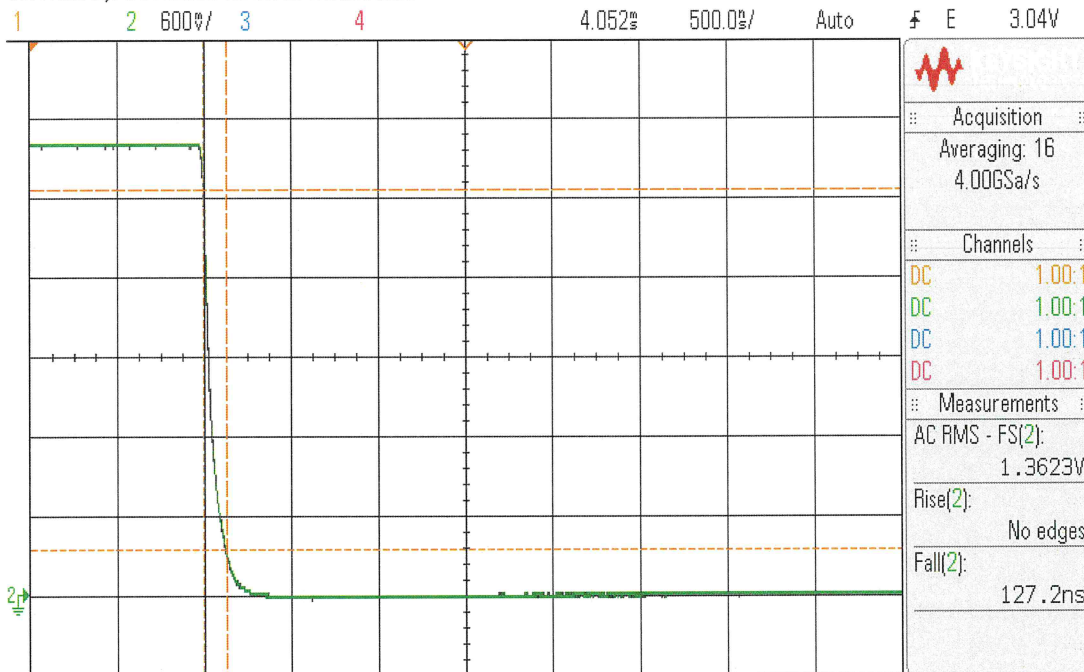
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RECOVERY TIME @ -20dBm

DSO-X 3024A, MY54490369, Tue Nov 25 17:08:39 2025



Measurement Menu

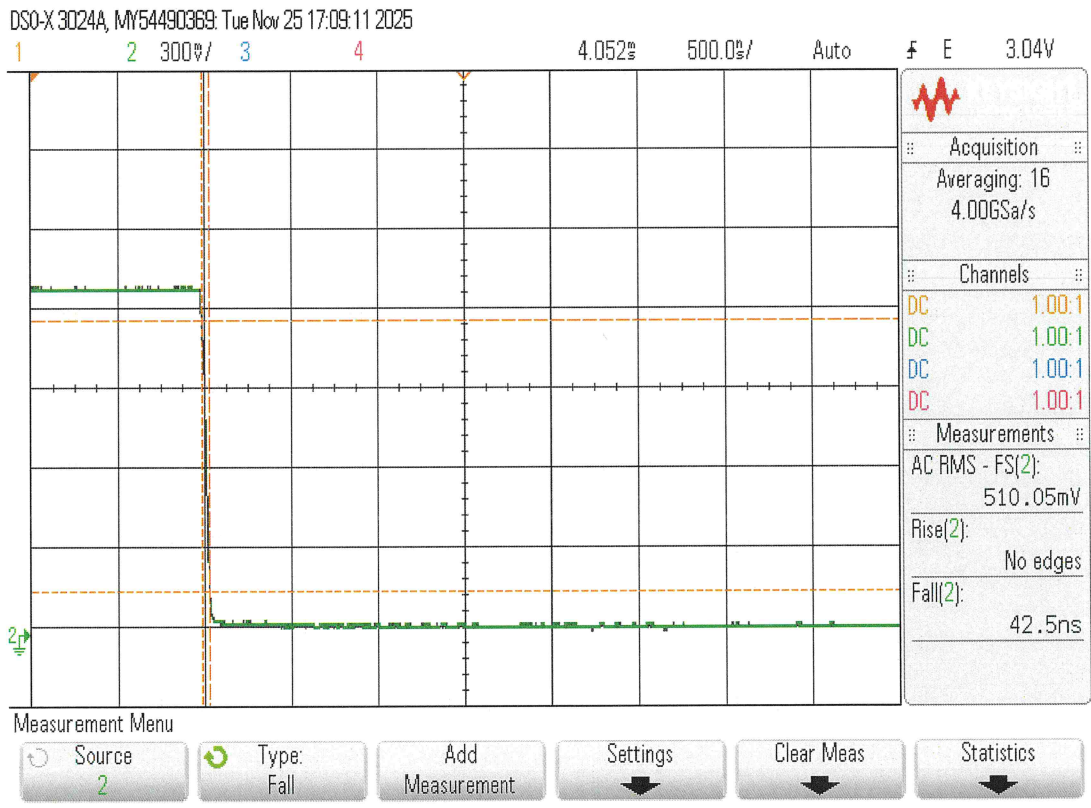
Source 2    Type: Fall    Add Measurement    Settings    Clear Meas    Statistics

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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RECOVERY TIME @ -50dBm

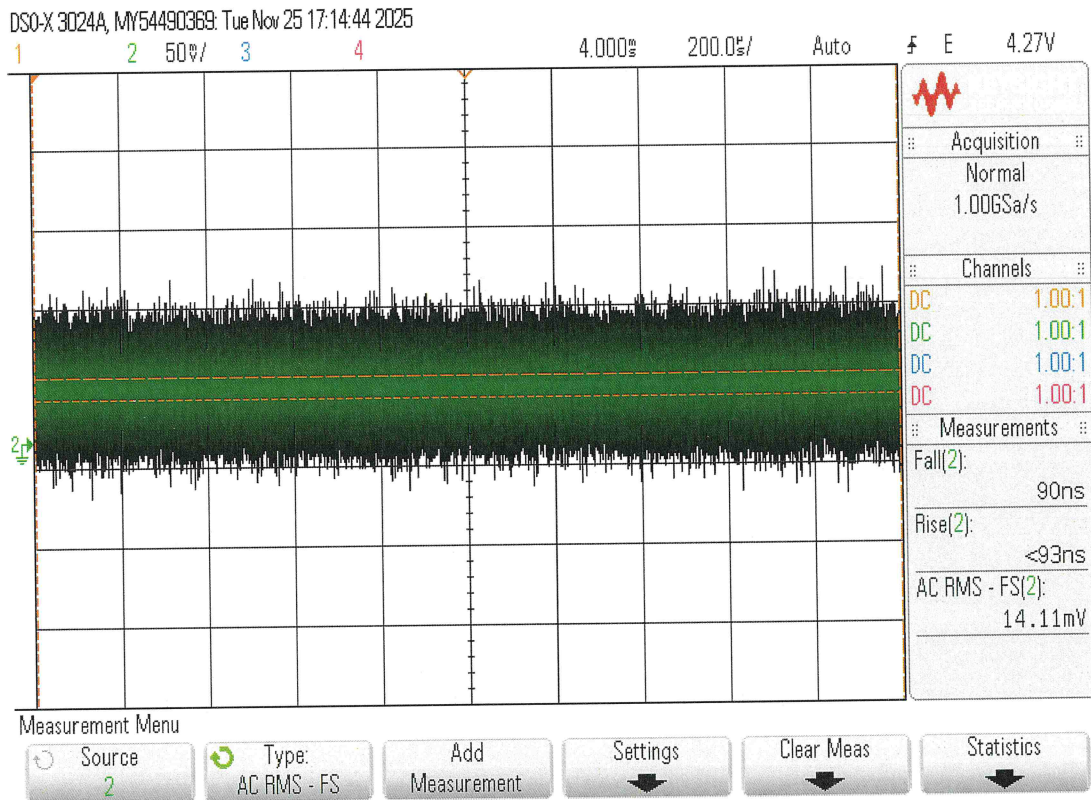


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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

RMS NOISE



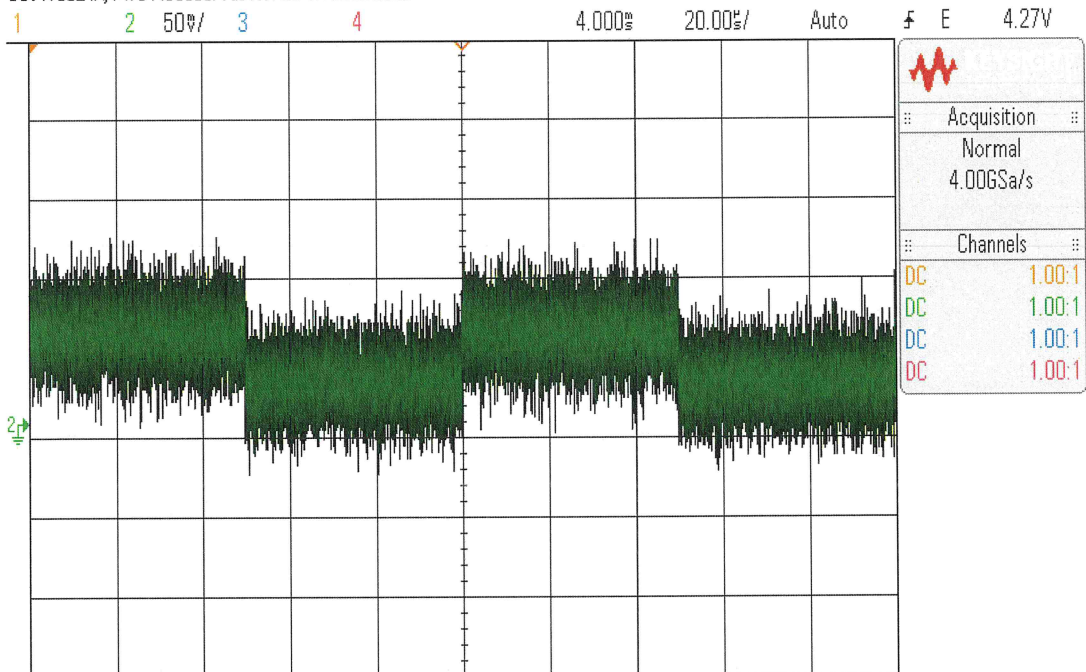
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Email: sales@quanticpmi.com

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

Serial No: PL55706/2548

TSS

DSO-X 3024A, MY54490369, Tue Nov 25 17:13:49 2025



Cursors Menu

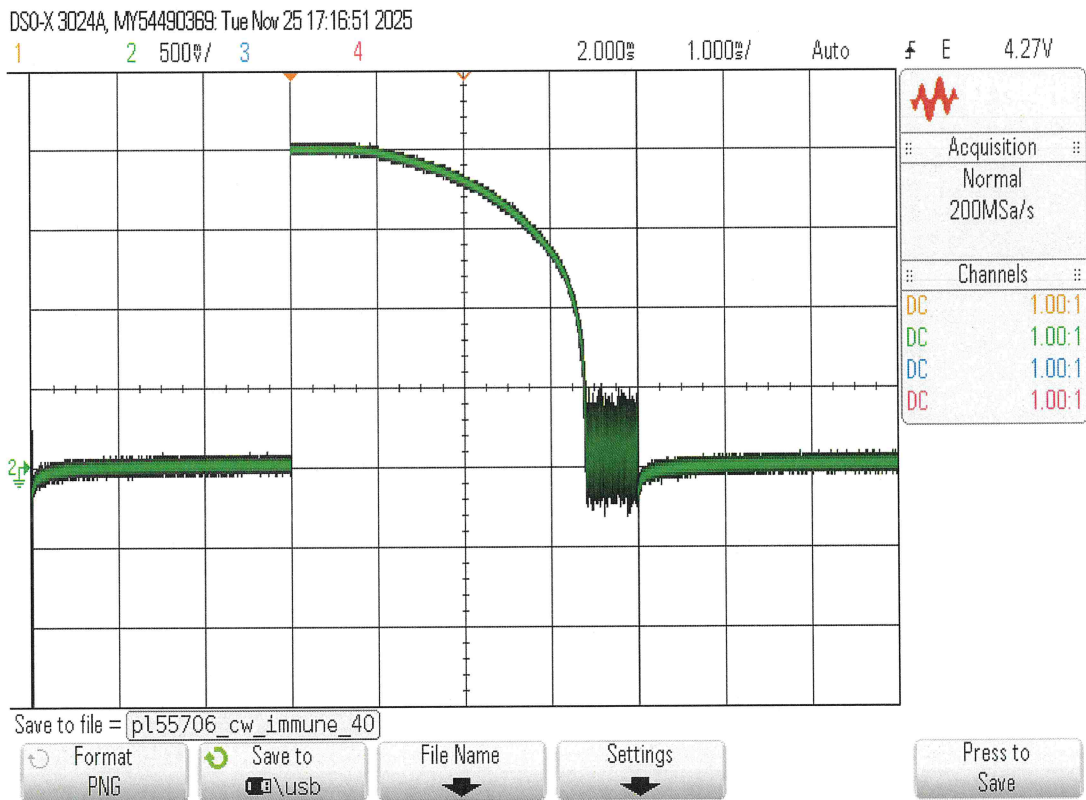
Mode  
Off

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

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

Serial No: PL55706/2548

CW IMMUNITY TIME

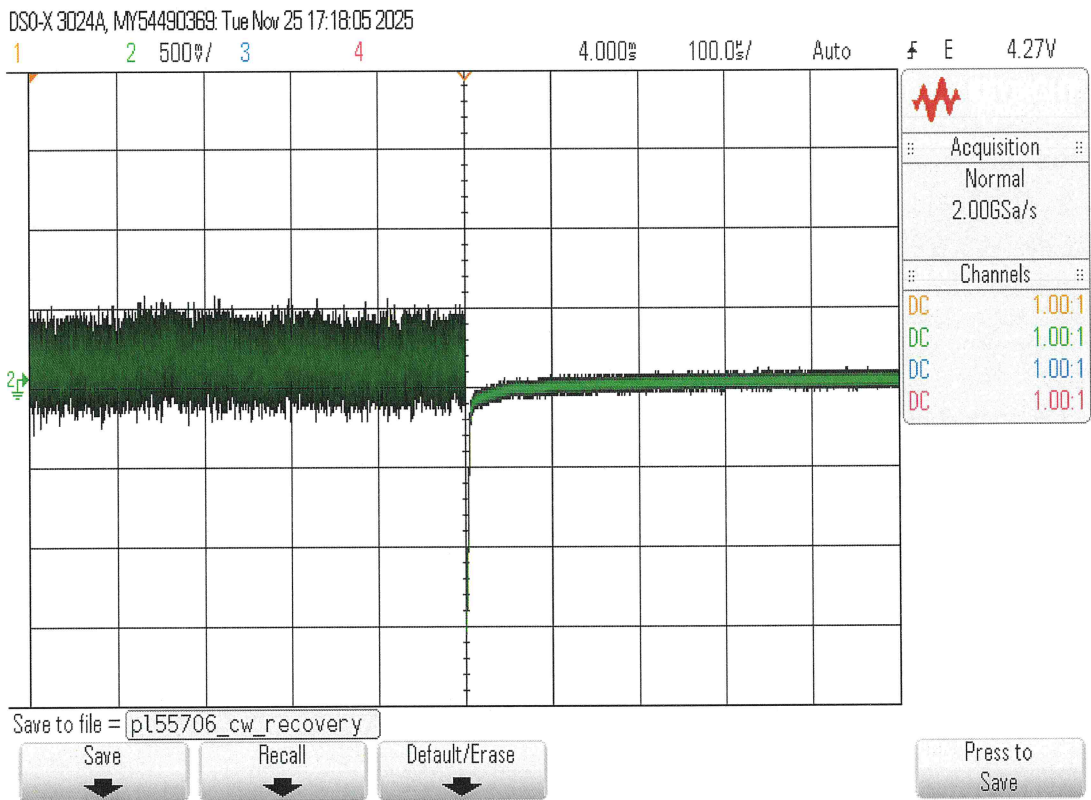


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**Summary Data**  
**For**  
**ERDLVA-8G18G-65-70MV-2**

Serial No: PL55706/2548

CW RECOVERY TIME



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