



**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: PL55707/2548 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	
2	Input VSWR:	2.3:1 Max	2.01:1	
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)	>60dB	
5	Switching Speed:	100 ns Max	<100ns	

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: PL55707/2548

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	69.18/70.21mV/dB	
9	Log Linearity:	±1.0 dB Max	+52/-39dB	
10	Log Accuracy @ 25°C:	±1.75 dB Max	+1.21/-1.20dB	
11	Absolute Log Accuracy:	±2.0 dB Max	+1.25/-1.31dB	
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)	26.5ns	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	113.8ns	
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	±1.05 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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Serial No: PL55707/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	211/298mV	 <b>PMI QAS</b>
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	13.37mV	
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	2.1ms	
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. Lawrence Date: 12-4-25

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LOG TRANSFER WITH FREQUENCY  
 MODEL: ERDLVA-8G18G-65-70MV-2  
 TESTED BY: JIM HOPSON  
 DATE: 11/29/25  
 SERIAL NO: PL55707-RF

Test Temp: +25C



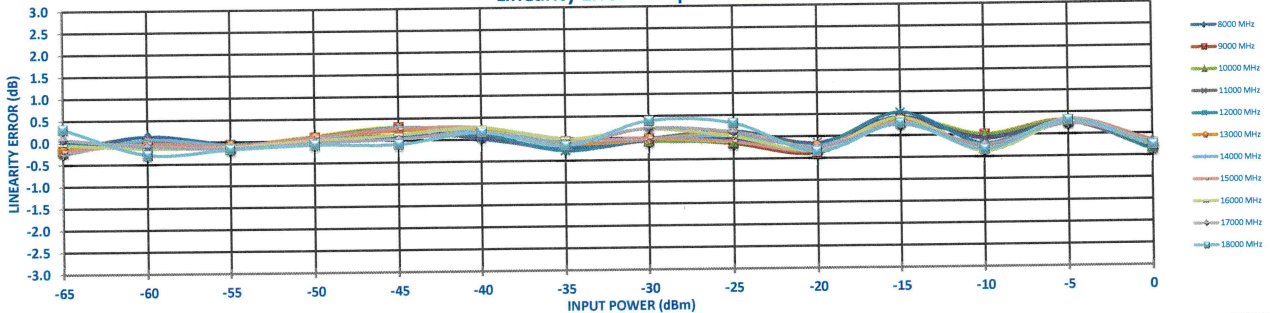
PLANAR MONOLITHICS INDUSTRIES  
 4921 Robert J. Mathews Parkway STE 1  
 TEL: 916-542-1401 FAX: 301-662-1731  
 EMAIL: SALES@PMI-RF.COM  
 ISO 9001:2000 CERTIFIED

DC Offset= 0.035

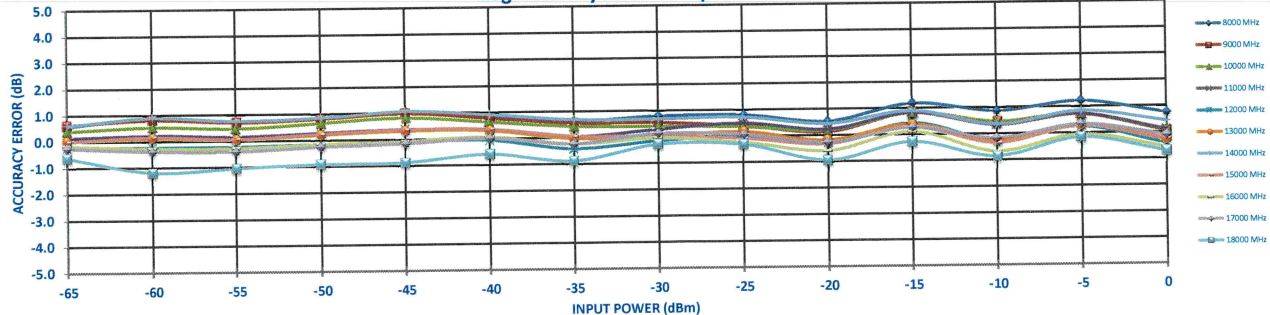
Frequency

			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4848.8	295	665	1002	1359	1722	2054	2389	2749	3098	3427	3821	4147	4520	4836	Measured Value (mV)
	SLOPE (mV/dB)	69.89	-11	9	-3	5	18	1	-14	-3	-4	-24	21	-3	21	-13	Error (mV)
			-0.16	0.14	-0.04	0.07	0.26	0.01	-0.20	-0.05	-0.05	-0.34	0.29	-0.04	0.30	-0.18	LINEARITY ERROR (dB)
			0.57	0.88	0.72	0.84	1.05	0.82	0.63	0.79	0.80	0.52	1.18	0.86	1.21	0.74	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4809.4	298	660	1000	1356	1717	2051	2384	2732	3069	3399	3797	4118	4485	4787	Measured Value (mV)
	SLOPE (mV/dB)	69.18	-14	2	-4	6	21	9	-4	-2	-11	-27	25	0	22	-22	Error (mV)
			-0.21	0.02	-0.06	0.08	0.30	0.12	-0.06	-0.03	-0.16	-0.39	0.37	0.01	0.31	-0.32	LINEARITY ERROR (dB)
			0.62	0.81	0.69	0.80	0.98	0.77	0.55	0.55	0.38	0.12	0.83	0.44	0.71	0.04	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4813.8	282	641	984	1345	1706	2041	2375	2722	3067	3403	3796	4119	4486	4790	Measured Value (mV)
	SLOPE (mV/dB)	69.53	-12	1	-6	8	21	8	-5	-6	-9	-20	25	1	20	-24	Error (mV)
			-0.18	-0.01	-0.08	0.11	0.30	0.12	-0.08	-0.08	-0.12	-0.29	0.36	0.01	0.29	-0.34	LINEARITY ERROR (dB)
			0.39	0.54	0.46	0.64	0.82	0.63	0.42	0.40	0.36	0.18	0.82	0.45	0.72	0.08	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4816.5	264	619	962	1319	1675	2020	2348	2713	3076	3406	3796	4110	4485	4791	Measured Value (mV)
	SLOPE (mV/dB)	69.99	-3	2	-5	2	8	3	-19	-4	9	-11	29	-7	18	-26	Error (mV)
			-0.04	0.03	-0.07	0.03	0.12	0.05	-0.27	-0.05	0.13	-0.19	0.42	-0.09	0.26	-0.36	LINEARITY ERROR (dB)
			0.13	0.22	0.15	0.27	0.38	0.33	0.04	0.28	0.49	0.22	0.82	0.32	0.71	0.10	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4780.6	239	587	935	1289	1641	1993	2316	2683	3043	3370	3769	4088	4453	4754	Measured Value (mV)
	SLOPE (mV/dB)	69.86	0	-2	-3	2	4	7	-19	-2	9	-13	36	-14	22	-27	Error (mV)
			-0.01	-0.03	-0.04	0.02	0.06	0.10	-0.28	-0.02	0.13	-0.19	0.52	-0.20	0.31	-0.38	LINEARITY ERROR (dB)
			-0.23	-0.24	-0.24	-0.16	-0.11	-0.06	-0.42	-0.15	0.01	-0.30	0.43	-0.28	0.25	-0.43	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4782.8	256	611	955	1314	1671	2018	2343	2696	3053	3377	3765	4069	4455	4764	Measured Value (mV)
	SLOPE (mV/dB)	69.48	-11	-3	-7	5	15	14	-8	-2	7	-16	24	-19	20	-19	Error (mV)
			-0.16	-0.05	-0.09	0.07	0.21	0.21	-0.12	-0.04	0.10	-0.23	0.35	-0.27	0.28	-0.27	LINEARITY ERROR (dB)
			0.01	0.11	0.05	0.20	0.32	0.30	-0.03	0.03	0.15	-0.20	0.37	-0.26	0.28	-0.29	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4824.5	297	666	1004	1359	1723	2061	2393	2741	3092	3421	3801	4112	4494	4814	Measured Value (mV)
	SLOPE (mV/dB)	69.37	-18	4	-5	3	20	11	-3	-2	2	-16	17	-19	16	-11	Error (mV)
			-0.26	0.06	-0.07	0.05	0.29	0.17	-0.05	-0.03	0.03	-0.23	0.25	-0.27	0.24	-0.15	LINEARITY ERROR (dB)
			0.60	0.90	0.75	0.84	1.07	0.92	0.68	0.68	0.71	0.44	0.89	0.35	0.84	0.43	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4777.5	255	614	956	1316	1674	2022	2349	2696	3036	3367	3758	4062	4454	4767	Measured Value (mV)
	SLOPE (mV/dB)	69.36	-14	-2	-7	7	18	19	-1	-1	-7	-23	21	-22	23	-11	Error (mV)
			-0.20	-0.03	-0.10	0.09	0.26	0.27	-0.01	-0.01	-0.11	-0.34	0.30	-0.32	0.34	-0.15	LINEARITY ERROR (dB)
			0.00	0.15	0.06	0.23	0.36	0.36	0.05	0.03	-0.09	-0.34	0.27	-0.36	0.26	-0.25	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4760.2	243	584	932	1289	1644	2001	2329	2691	3025	3349	3746	4040	4432	4744	Measured Value (mV)
	SLOPE (mV/dB)	69.44	-4	-10	-9	1	8	18	-1	14	1	-22	27	-26	19	-16	Error (mV)
			-0.05	-0.14	-0.13	0.01	0.12	0.26	-0.01	0.20	0.01	-0.32	0.39	-0.37	0.27	-0.23	LINEARITY ERROR (dB)
			-0.17	-0.28	-0.28	-0.16	-0.07	0.06	-0.24	-0.04	-0.25	-0.60	0.10	-0.68	-0.05	-0.58	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4792.5	237	576	923	1282	1637	1998	2329	2703	3046	3371	3758	4075	4459	4777	Measured Value (mV)
	SLOPE (mV/dB)	70.16	5	-7	-11	-2	2	12	-8	15	8	-18	18	-16	17	-16	Error (mV)
			0.07	-0.10	-0.15	-0.03	0.03	0.17	-0.11	0.22	0.11	-0.26	0.26	-0.23	0.25	-0.22	LINEARITY ERROR (dB)
			-0.26	-0.39	-0.41	-0.26	-0.17	0.01	-0.24	0.13	0.05	-0.28	0.27	-0.18	0.33	-0.10	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4752.8	211	520	879	1236	1587	1956	2284	2674	3020	3324	3719	4027	4424	4734	Measured Value (mV)
	SLOPE (mV/dB)	70.21	22	-20	-12	-6	-6	11	-12	27	22	-25	19	-24	22	-19	Error (mV)
			0.31	-0.29	-0.18	-0.09	-0.09	0.16	-0.16	0.39	0.32	-0.35	0.27	-0.34	0.32	-0.27	LINEARITY ERROR (dB)
			-0.63	-1.20	-1.04	-0.92	-0.88	-0.59	-0.88	-0.28	-0.32	-0.96	-0.29	-0.87	-0.17	-0.72	ACCURACY ERROR (dB)
Flatness		+/- dB	0.62	1.05	0.90	0.88	0.98	0.75	0.78	0.54	0.56	0.74	0.73	0.86	0.69	0.73	
-65dBm mV-Out			298	Max													
			211	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: PL55707-BIT

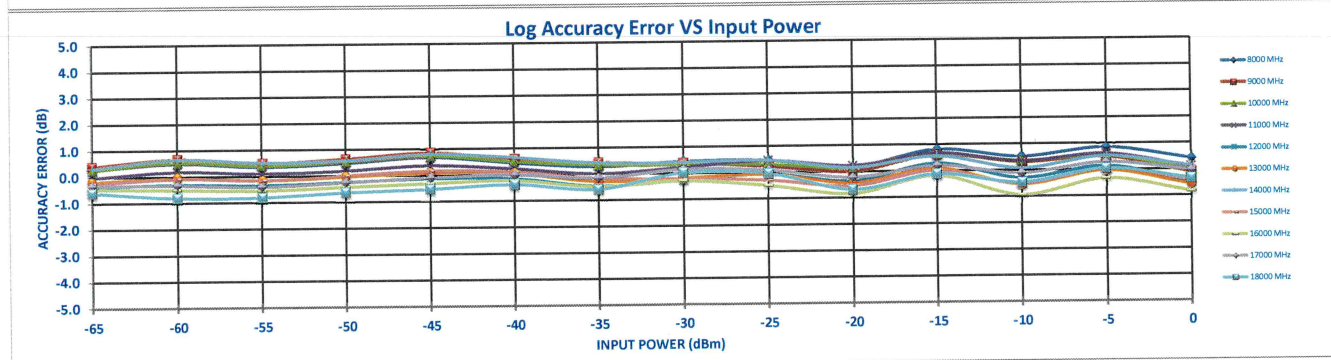
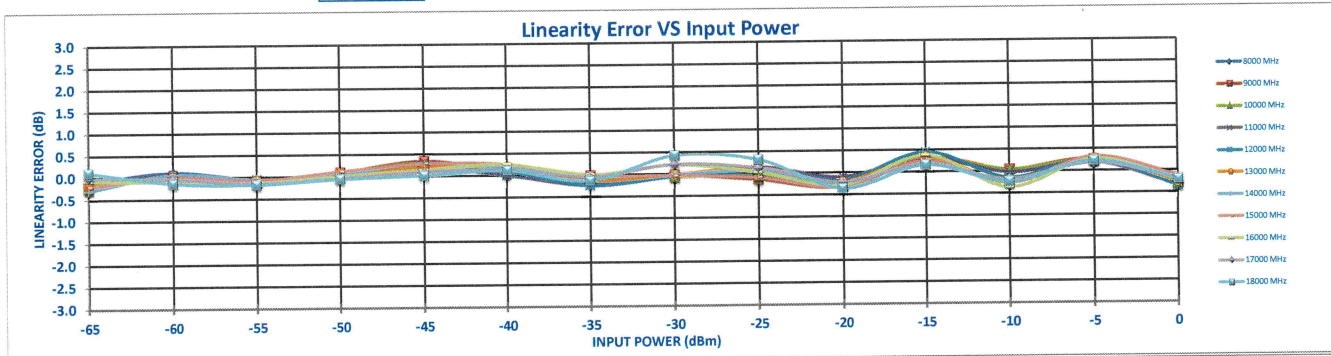
Test Temp: +25C



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 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		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	300 665 1003 1360 1723 2055 2391 2752 3101 3430 3823 4151 4522 4840														Measured Value (mV)
	SLOPE (mV/dB)	-8 8 -4 4 17 0 -14 -2 -3 -24 20 -2 20 -12														Error (mV)
		-0.11 0.11 -0.05 0.05 0.25 -0.01 -0.20 -0.04 -0.04 0.45 -0.34 0.28 -0.03 0.28 -0.17														LINEARITY ERROR (dB)
		0.27 0.50 0.35 0.47 0.68 0.44 0.27 0.44 0.45 0.17 0.81 0.52 0.84 0.40														ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	308 676 1013 1371 1734 2065 2401 2747 3085 3418 3809 4136 4497 4803														Measured Value (mV)
	SLOPE (mV/dB)	-18 3 -6 6 23 8 -2 -2 -10 -23 22 3 18 -22														Error (mV)
		-0.27 0.05 -0.08 0.09 0.34 0.12 -0.03 -0.03 -0.15 -0.33 0.31 0.04 0.25 -0.32														LINEARITY ERROR (dB)
		0.38 0.66 0.49 0.63 0.84 0.59 0.41 0.37 0.22 0.00 0.61 0.30 0.48 -0.13														ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	299 667 1006 1364 1726 2058 2395 2743 3090 3427 3810 4140 4500 4810														Measured Value (mV)
	SLOPE (mV/dB)	-17 4 -4 6 21 5 -5 -5 -5 -16 20 3 15 -22														Error (mV)
		-0.24 0.06 -0.06 0.09 0.30 0.08 -0.07 -0.07 -0.07 -0.22 0.29 0.04 0.22 -0.32														LINEARITY ERROR (dB)
		0.25 0.53 0.39 0.53 0.72 0.49 0.32 0.32 0.29 0.13 0.62 0.36 0.52 -0.03														ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	279 643 985 1340 1701 2039 2372 2736 3100 3433 3813 4139 4505 4818														Measured Value (mV)
	SLOPE (mV/dB)	-8 5 -3 2 12 0 -17 -4 10 -7 22 -2 14 -24														Error (mV)
		-0.12 0.07 -0.04 0.02 0.18 0.00 -0.25 -0.05 0.14 -0.10 0.32 -0.03 0.20 -0.34														LINEARITY ERROR (dB)
		-0.04 0.19 0.09 0.19 0.37 0.22 -0.01 0.22 0.44 0.22 0.67 0.34 0.60 0.09														ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	255 609 954 1310 1667 2013 2339 2702 3064 3393 3786 4094 4473 4778														Measured Value (mV)
	SLOPE (mV/dB)	-4 0 -4 2 10 6 -17 -4 8 -12 31 -10 19 -25														Error (mV)
		-0.06 0.00 -0.06 0.03 0.14 0.09 -0.25 -0.06 0.12 -0.17 0.45 -0.15 0.28 -0.36														LINEARITY ERROR (dB)
		-0.38 -0.30 -0.35 -0.24 -0.12 -0.16 -0.48 -0.27 -0.08 -0.36 0.28 -0.30 0.14 -0.49														ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	267 626 967 1324 1681 2027 2351 2706 3063 3387 3772 4077 4461 4771														Measured Value (mV)
	SLOPE (mV/dB)	-12 0 -6 4 14 13 -10 -2 8 -15 23 -18 19 -18														Error (mV)
		-0.18 0.00 -0.09 0.06 0.20 0.19 -0.14 -0.03 0.12 -0.21 0.34 -0.27 0.27 -0.26														LINEARITY ERROR (dB)
		-0.21 -0.06 -0.16 -0.04 0.08 0.04 -0.31 -0.22 -0.09 -0.44 0.08 -0.55 -0.04 -0.59														ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	303 675 1014 1367 1731 2069 2401 2749 3101 3428 3805 4120 4499 4820														Measured Value (mV)
	SLOPE (mV/dB)	-21 4 -3 3 20 12 -3 -2 4 -16 14 -17 15 -11														Error (mV)
		-0.30 0.06 -0.05 0.04 0.29 0.17 -0.04 -0.02 0.05 -0.23 0.21 -0.25 0.22 -0.15														LINEARITY ERROR (dB)
		0.31 0.65 0.51 0.57 0.80 0.85 0.41 0.40 0.45 0.14 0.55 0.07 0.51 0.11														ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	263 624 967 1327 1686 2031 2360 2705 3048 3379 3767 4078 4466 4783														Measured Value (mV)
	SLOPE (mV/dB)	-15 -1 -5 8 19 17 -1 -3 -7 -23 17 -19 22 -8														Error (mV)
		-0.22 -0.02 -0.08 0.11 0.28 0.25 -0.01 -0.05 -0.11 -0.34 0.25 -0.27 0.32 -0.12														LINEARITY ERROR (dB)
		-0.27 -0.09 -0.16 0.00 0.15 0.10 -0.18 -0.23 -0.31 -0.56 0.01 -0.53 0.04 -0.42														ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	249 595 940 1297 1653 2008 2338 2700 3034 3359 3753 4049 4440 4753														Measured Value (mV)
	SLOPE (mV/dB)	-6 -7 -9 0 9 17 0 14 1 -21 26 -26 18 -16														Error (mV)
		-0.09 -0.10 -0.14 0.00 0.13 0.24 -0.01 0.21 0.02 -0.30 0.37 -0.37 0.26 -0.23														LINEARITY ERROR (dB)
		-0.47 -0.50 -0.55 -0.43 -0.32 -0.23 -0.49 -0.30 -0.51 -0.85 -0.19 -0.95 -0.34 -0.85														ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	258 607 950 1309 1669 2023 2361 2731 3075 3402 3780 4107 4483 4808														Measured Value (mV)
	SLOPE (mV/dB)	-1 -3 -11 -3 6 9 -4 15 8 -16 11 -13 13 -13														Error (mV)
		-0.01 -0.04 -0.16 -0.04 0.09 0.13 -0.05 0.22 0.12 -0.22 0.16 -0.18 0.18 -0.19														LINEARITY ERROR (dB)
		-0.34 -0.33 -0.41 -0.26 -0.09 -0.01 -0.16 0.14 0.08 -0.23 0.19 -0.11 0.28 -0.06														ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	239 573 922 1282 1638 1997 2331 2722 3066 3370 3758 4082 4466 4787														Measured Value (mV)
	SLOPE (mV/dB)	8 -10 -12 -4 0 8 -10 30 22 -26 11 -17 16 -15														Error (mV)
		0.11 -0.14 -0.18 -0.06 0.01 0.11 -0.14 0.42 0.31 -0.36 0.15 -0.24 0.22 -0.21														LINEARITY ERROR (dB)
		-0.61 -0.82 -0.81 -0.65 -0.54 -0.39 -0.60 0.01 -0.05 -0.69 -0.12 -0.47 0.04 -0.36														ACCURACY ERROR (dB)
Flatness	+/- dB	0.49	0.74	0.66	0.64	0.69	0.52	0.50	0.37	0.48	0.53	0.50	0.73	0.59	0.62	
-65dBm mV-Out		308	Max	239	Min											



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 SERIAL NO: PL55707-RF

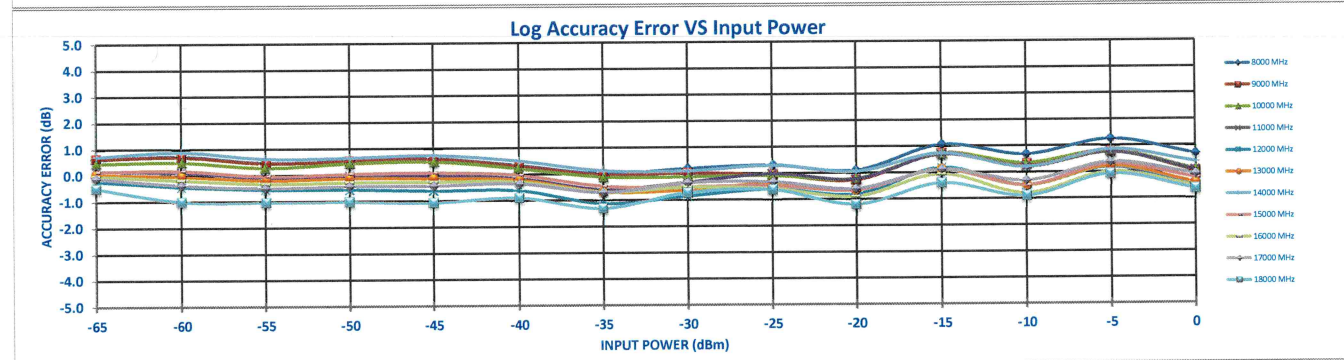
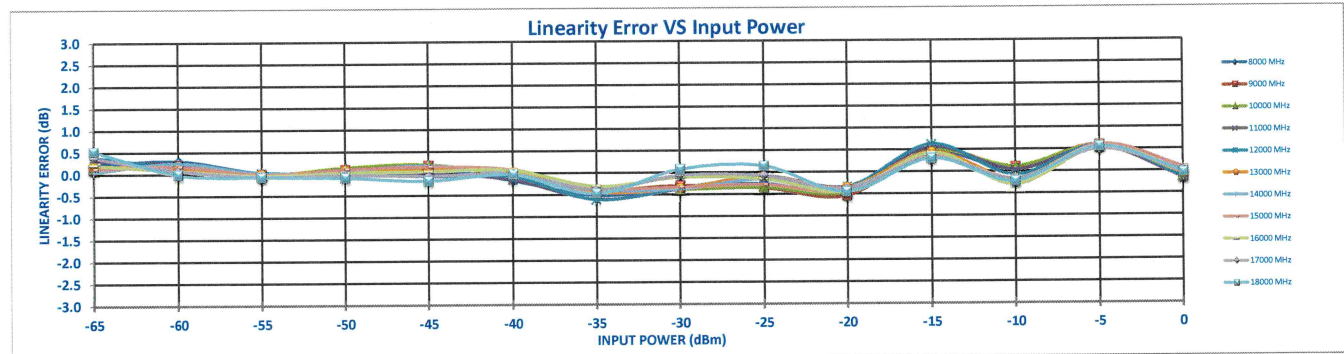
Test Temp: -10C



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= 0.041

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	298 658 992 1349 1706 2039 2368 2733 3093 3430 3850 4175 4568 4880														Measured Value (mV)
	SLOPE (mV/dB)	15 21 2 5 9 -12 -37 -25 -19 -35 31 3 42 0														Error (mV)
		0.21 0.30 0.02 0.07 0.12 -0.17 -0.52 -0.36 -0.26 -0.50 0.44 0.04 0.59 0.01														LINEARITY ERROR (dB)
		0.61 0.72 0.47 0.54 0.61 0.34 0.01 0.19 0.31 0.09 1.06 0.67 1.25 0.68														ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	299 656 991 1348 1705 2038 2365 2721 3067 3404 3827 4149 4534 4833														Measured Value (mV)
	SLOPE (mV/dB)	8 15 0 7 13 -4 -27 -21 -25 -38 35 6 41 -10														Error (mV)
		0.11 0.21 0.00 0.09 0.19 -0.05 -0.38 -0.30 -0.36 -0.55 0.49 0.09 0.59 -0.14														LINEARITY ERROR (dB)
		0.62 0.69 0.45 0.52 0.59 0.32 -0.03 0.02 -0.06 -0.28 0.73 0.30 0.77 0.02														ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	287 642 979 1342 1698 2031 2359 2711 3065 3408 3826 4152 4536 4838														Measured Value (mV)
	SLOPE (mV/dB)	10 13 -2 10 14 -4 -28 -27 -25 -33 33 8 40 -9														Error (mV)
		0.14 0.18 -0.02 0.14 0.20 -0.06 -0.39 -0.39 -0.35 -0.47 0.47 0.11 0.57 -0.13														LINEARITY ERROR (dB)
		0.45 0.50 0.28 0.44 0.49 0.22 -0.12 -0.12 -0.09 -0.22 0.72 0.35 0.80 0.09														ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	266 615 953 1309 1661 2004 2326 2696 3070 3407 3824 4141 4532 4836														Measured Value (mV)
	SLOPE (mV/dB)	22 17 1 2 0 -11 -43 -27 -7 -24 39 2 39 -11														Error (mV)
		0.31 0.23 0.01 0.03 0.01 -0.15 -0.60 -0.38 -0.10 -0.34 0.55 0.03 0.55 -0.16														LINEARITY ERROR (dB)
		0.16 0.11 -0.09 -0.03 -0.03 -0.16 -0.59 -0.33 -0.02 -0.24 0.69 0.19 0.74 0.06														ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	239 576 920 1272 1620 1972 2288 2659 3029 3366 3788 4092 4493 4795														Measured Value (mV)
	SLOPE (mV/dB)	28 11 2 1 -5 -8 -43 -25 -9 -25 44 -6 42 -9														Error (mV)
		0.39 0.16 0.03 0.01 -0.06 -0.08 -0.61 -0.36 -0.12 -0.35 0.62 -0.08 0.60 -0.13														LINEARITY ERROR (dB)
		-0.23 -0.44 -0.56 -0.56 -0.61 -0.62 -1.13 -0.86 -0.60 -0.82 0.18 -0.51 0.19 -0.52														ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	257 604 945 1302 1653 2000 2319 2675 3044 3377 3784 4092 4495 4802														Measured Value (mV)
	SLOPE (mV/dB)	13 9 -1 5 5 2 -30 -25 -7 -25 31 -12 40 -4														Error (mV)
		0.19 0.13 -0.01 0.08 0.08 0.02 -0.43 -0.36 -0.11 -0.36 0.44 -0.18 0.57 -0.06														LINEARITY ERROR (dB)
		0.03 -0.04 -0.20 -0.13 -0.15 -0.22 -0.69 -0.63 -0.39 -0.66 0.12 -0.51 0.22 -0.42														ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	305 669 1003 1357 1715 2051 2376 2726 3092 3427 3827 4141 4540 4858														Measured Value (mV)
	SLOPE (mV/dB)	4 17 1 5 13 -1 -27 -27 -11 -26 24 -12 36 4														Error (mV)
		0.05 0.25 0.02 0.07 0.18 -0.02 -0.38 -0.38 -0.16 -0.37 0.34 -0.18 0.52 0.06														LINEARITY ERROR (dB)
		0.71 0.88 0.62 0.65 0.73 0.51 0.12 0.09 0.29 0.05 0.73 0.19 0.86 0.37														ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	265 619 956 1314 1668 2013 2334 2684 3038 3377 3782 4092 4501 4815														Measured Value (mV)
	SLOPE (mV/dB)	8 12 -1 7 11 6 -24 -24 -20 -31 24 -16 42 6														Error (mV)
		0.12 0.17 -0.01 0.10 0.15 0.08 -0.34 -0.34 -0.28 -0.44 0.34 -0.23 0.61 0.09														LINEARITY ERROR (dB)
		0.14 0.17 -0.04 0.04 0.07 -0.03 -0.47 -0.50 -0.48 -0.66 0.09 -0.51 0.30 -0.24														ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	253 594 936 1291 1643 1995 2319 2683 3030 3360 3771 4071 4480 4793														Measured Value (mV)
	SLOPE (mV/dB)	14 5 -3 1 3 5 -21 -8 -11 -31 29 -21 38 0														Error (mV)
		0.21 0.07 -0.05 0.02 0.05 0.07 -0.31 -0.11 -0.16 -0.45 0.42 -0.30 0.54 0.00														LINEARITY ERROR (dB)
		-0.03 -0.19 -0.33 -0.29 -0.29 -0.29 -0.69 -0.52 -0.59 -0.90 -0.07 -0.81 0.00 -0.55														ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	247 580 924 1281 1633 1990 2318 2695 3048 3381 3784 4105 4506 4826														Measured Value (mV)
	SLOPE (mV/dB)	26 5 -5 -2 -4 -1 -28 -5 -6 -27 22 -12 35 1														Error (mV)
		0.37 0.07 -0.07 -0.03 -0.06 -0.02 -0.39 -0.07 -0.08 -0.38 0.31 -0.16 0.50 0.02														LINEARITY ERROR (dB)
		-0.11 -0.38 -0.50 -0.43 -0.43 -0.36 -0.70 -0.35 -0.33 -0.60 0.12 -0.32 0.37 -0.08														ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	220 536 886 1239 1588 1952 2275 2668 3027 3339 3747 4064 4474 4786														Measured Value (mV)
	SLOPE (mV/dB)	37 -1 -5 -7 -12 -2 -34 5 10 -33 21 -16 40 -3														Error (mV)
		0.52 -0.02 -0.08 -0.10 -0.17 -0.03 -0.47 0.07 0.14 -0.46 0.30 -0.23 0.56 -0.04														LINEARITY ERROR (dB)
		-0.50 -1.01 -1.04 -1.03 -1.07 -0.90 -1.31 -0.73 -0.63 -1.20 -0.41 -0.90 -0.08 -0.65														ACCURACY ERROR (dB)
Flatness	+/- dB	0.60 0.94 0.83 0.84 0.90 0.70 0.72 0.53 0.47 0.65 0.73 0.79 0.67 0.67														
-65dBm mV-Out		305 Max 220 Min														



LOG TRANSFER WITH FREQUENCY  
 MODEL: ERDLVA-8G18G-65-70MV-2  
 TESTED BY: JIM HOPSON  
 DATE: 11/29/25  
 SERIAL NO: PL55707-RF

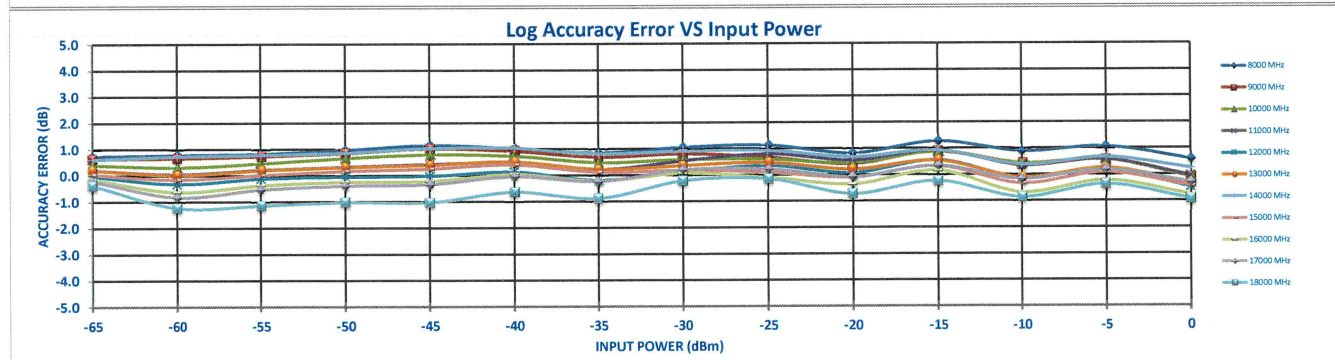
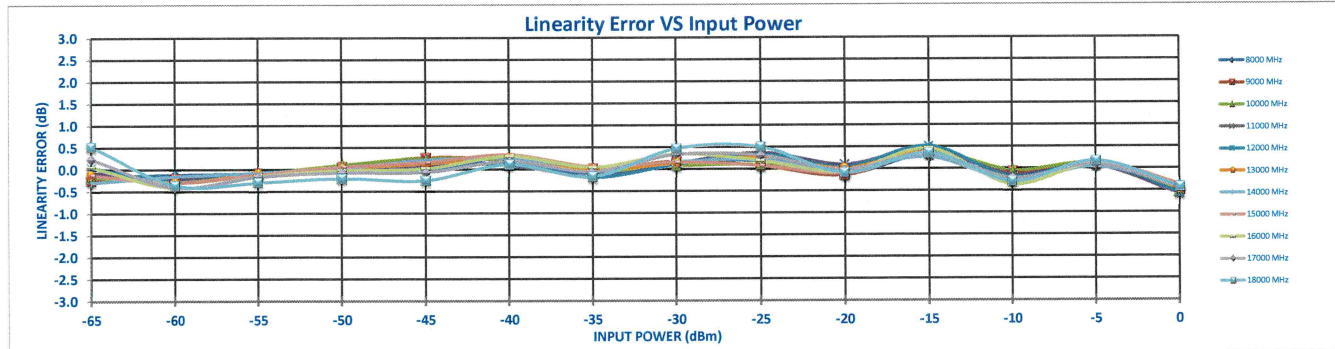
Test Temp: +85C



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= 0.053

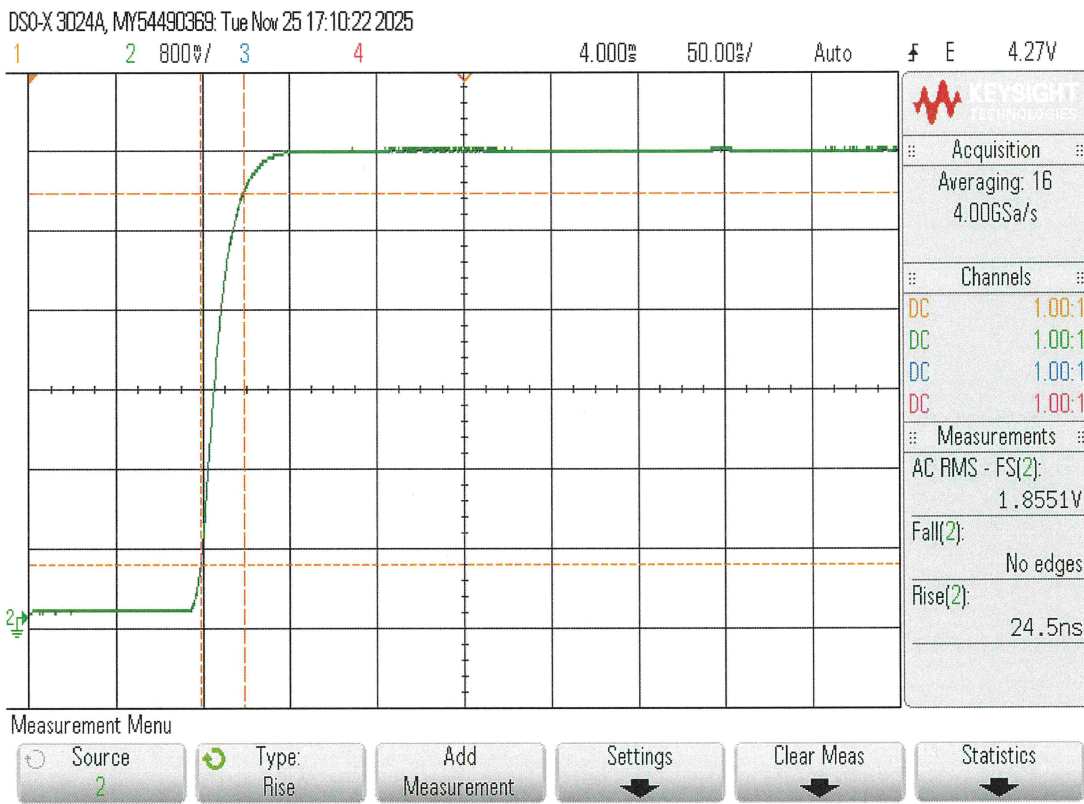
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4796.4														Measured Value (mV)
	SLOPE (mV/dB)	69.37														Error (mV)
		276	626	975	1331	1690	2028	2362	2723	3075	3400	3778	4097	4456	4769	LINEARITY ERROR (dB)
		-11	-8	-6	3	15	6	-6	8	13	-9	22	-6	6	-27	ACCURACY ERROR (dB)
		-0.16	-0.12	-0.09	0.05	0.22	0.09	-0.09	0.11	0.19	-0.13	0.32	-0.08	0.09	-0.39	
		0.74	0.79	0.82	0.96	1.14	1.02	0.84	1.05	1.13	0.82	1.28	0.88	1.06	0.58	
9000 MHz	INTERCEPT (mV)	4757.7														Measured Value (mV)
	SLOPE (mV/dB)	68.78														Error (mV)
		269	617	969	1323	1681	2021	2351	2706	3043	3372	3751	4065	4422	4722	LINEARITY ERROR (dB)
		-18	-14	-6	4	18	15	1	12	5	-10	25	-5	8	-36	ACCURACY ERROR (dB)
		-0.26	-0.20	-0.08	0.06	0.27	0.21	0.01	0.17	0.07	-0.15	0.36	-0.07	0.12	-0.52	
		0.64	0.66	0.74	0.85	1.01	0.92	0.68	0.81	0.67	0.42	0.89	0.42	0.57	-0.10	
10000 MHz	INTERCEPT (mV)	4760.3														Measured Value (mV)
	SLOPE (mV/dB)	69.15														Error (mV)
		253	593	950	1310	1666	2008	2337	2691	3038	3374	3750	4066	4422	4722	LINEARITY ERROR (dB)
		-12	-18	-7	7	18	14	-3	5	6	-3	27	-3	7	-36	ACCURACY ERROR (dB)
		-0.18	-0.26	-0.10	0.11	0.25	0.20	-0.04	0.08	0.09	-0.05	0.39	-0.04	0.11	-0.55	
		0.40	0.31	0.46	0.66	0.80	0.73	0.48	0.59	0.60	0.45	0.87	0.43	0.57	-0.10	
11000 MHz	INTERCEPT (mV)	4765.9														Measured Value (mV)
	SLOPE (mV/dB)	69.58														Error (mV)
		239	575	933	1287	1640	1990	2318	2687	3052	3381	3753	4060	4422	4725	LINEARITY ERROR (dB)
		-4	-16	-6	0	5	7	-12	9	26	7	31	-10	4	-41	ACCURACY ERROR (dB)
		-0.04	-0.23	-0.08	0.00	0.08	0.11	-0.18	0.12	0.37	0.10	0.44	-0.14	0.06	-0.59	
		0.20	0.05	0.22	0.33	0.42	0.47	0.21	0.53	0.80	0.55	0.92	0.35	0.57	-0.06	
12000 MHz	INTERCEPT (mV)	4734														Measured Value (mV)
	SLOPE (mV/dB)	69.44														Error (mV)
		223	549	910	1261	1609	1966	2290	2658	3021	3348	3728	4026	4395	4695	LINEARITY ERROR (dB)
		3	-18	-5	-1	0	10	-13	7	23	3	36	-14	8	-39	ACCURACY ERROR (dB)
		-0.04	-0.26	-0.07	-0.01	0.00	0.14	-0.19	0.11	0.33	0.04	0.51	-0.19	0.12	-0.56	
		-0.03	-0.32	-0.11	-0.05	-0.03	0.13	-0.20	0.11	0.35	0.07	0.55	-0.14	0.18	-0.49	
13000 MHz	INTERCEPT (mV)	4738.2														Measured Value (mV)
	SLOPE (mV/dB)	69.08														Error (mV)
		239	573	932	1286	1638	1993	2319	2675	3029	3357	3727	4028	4399	4706	LINEARITY ERROR (dB)
		-9	-20	-7	2	9	18	-1	9	18	1	25	-19	6	-32	ACCURACY ERROR (dB)
		-0.13	-0.29	-0.09	0.03	0.12	0.26	-0.02	0.14	0.26	0.01	0.36	-0.28	0.09	-0.47	
		0.20	0.02	0.20	0.31	0.39	0.52	0.22	0.36	0.47	0.20	0.54	-0.12	0.24	-0.33	
14000 MHz	INTERCEPT (mV)	4770.5														Measured Value (mV)
	SLOPE (mV/dB)	68.96														Error (mV)
		267	622	972	1324	1682	2029	2360	2713	3061	3390	3754	4062	4428	4745	LINEARITY ERROR (dB)
		-21	-11	-6	2	15	17	3	11	15	-1	18	-19	2	-25	ACCURACY ERROR (dB)
		-0.30	-0.16	-0.08	0.02	0.21	0.25	0.05	0.17	0.21	-0.02	0.26	-0.27	0.03	-0.37	
		0.61	0.73	0.78	0.86	1.03	1.04	0.81	0.91	0.93	0.68	0.93	0.38	0.66	0.23	
15000 MHz	INTERCEPT (mV)	4723.5														Measured Value (mV)
	SLOPE (mV/dB)	69.03														Error (mV)
		228	561	919	1276	1628	1985	2311	2663	3003	3336	3712	4012	4388	4698	LINEARITY ERROR (dB)
		-9	-21	-8	4	11	23	4	10	5	-7	24	-21	10	-25	ACCURACY ERROR (dB)
		-0.12	-0.30	-0.11	0.06	0.16	0.33	0.05	0.15	0.08	-0.10	0.35	-0.31	0.14	-0.37	
		0.04	-0.15	0.02	0.17	0.25	0.40	0.10	0.18	0.09	-0.10	0.32	-0.35	0.08	-0.45	
16000 MHz	INTERCEPT (mV)	4706														Measured Value (mV)
	SLOPE (mV/dB)	69.15														Error (mV)
		215	528	892	1247	1595	1960	2288	2655	2990	3318	3700	3989	4367	4675	LINEARITY ERROR (dB)
		4	-29	-11	-1	1	20	2	24	13	-5	31	-25	7	-31	ACCURACY ERROR (dB)
		0.06	-0.42	-0.15	-0.02	0.01	0.29	0.03	0.34	0.19	-0.07	0.45	-0.37	0.10	-0.45	
		-0.14	-0.63	-0.37	-0.25	-0.23	0.04	-0.23	0.07	-0.10	-0.36	0.15	-0.68	-0.22	-0.78	
17000 MHz	INTERCEPT (mV)	4738.7														Measured Value (mV)
	SLOPE (mV/dB)	69.93														Error (mV)
		210	514	881	1237	1587	1954	2287	2664	3012	3338	3713	4024	4395	4708	LINEARITY ERROR (dB)
		17	-29	-12	-5	-5	12	-4	23	22	-2	23	-15	6	-31	ACCURACY ERROR (dB)
		0.24	-0.41	-0.17	-0.07	-0.07	0.18	-0.06	0.33	0.31	-0.03	0.33	-0.22	0.08	-0.44	
		-0.22	-0.83	-0.53	-0.39	-0.34	-0.05	-0.24	0.20	0.22	-0.07	0.34	-0.17	0.18	-0.30	
18000 MHz	INTERCEPT (mV)	4693.9														Measured Value (mV)
	SLOPE (mV/dB)	69.71														Error (mV)
		199	486	839	1194	1539	1913	2242	2635	2986	3293	3673	3976	4357	4664	LINEARITY ERROR (dB)
		36	-25	-21	-14	-18	8	-12	32	35	-7	25	-21	12	-30	ACCURACY ERROR (dB)
		0.52	-0.36	-0.30	-0.21	-0.26	0.11	-0.17	0.47	0.50	-0.10	0.36	-0.30	0.17	-0.43	
		-0.38	-1.23	-1.14	-1.02	-1.04	-0.64	-0.89	-0.22	-0.15	-0.72	-0.24	-0.87	-0.37	-0.94	
Flatness	+/- dB	0.56	1.01	0.98	0.99	1.09	0.84	0.87	0.64	0.64	0.77	0.76	0.87	0.71	0.76	
-65dBm mV-Out		276	Max	199	Min											



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

Serial No: PL55707/2548

RISE TIME/SETTING TIME @ 0dBm

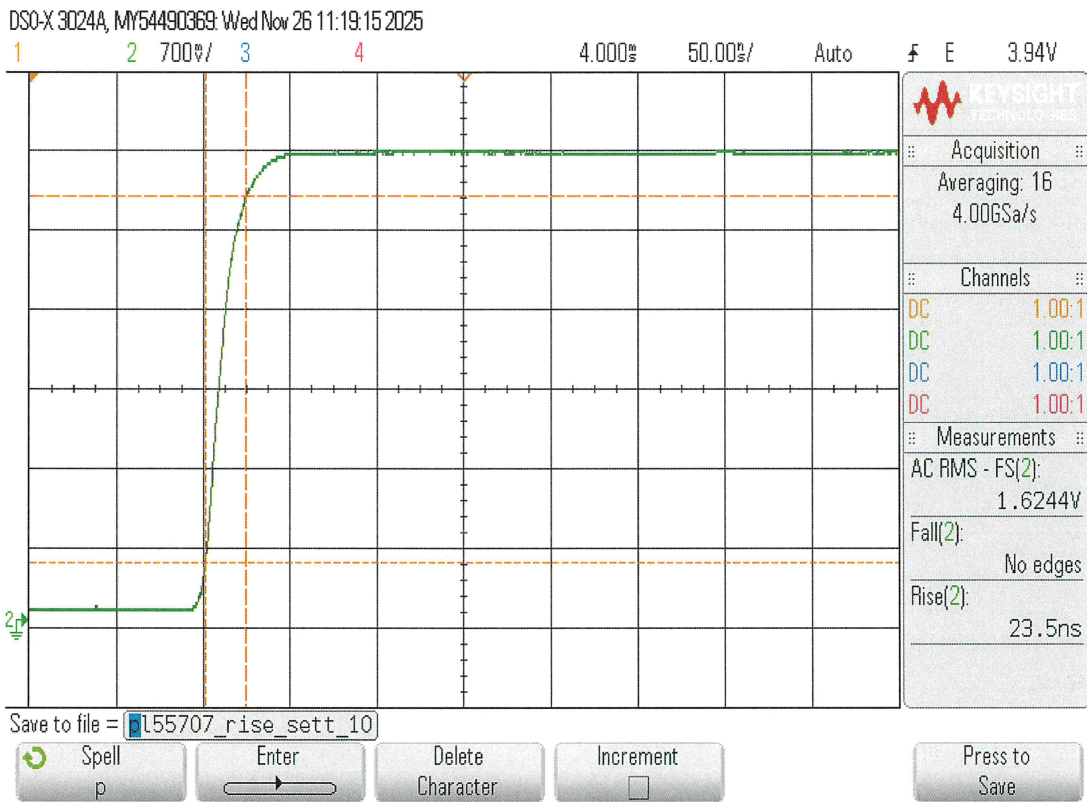


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

RISE TIME/SETTING TIME @ -10dBm

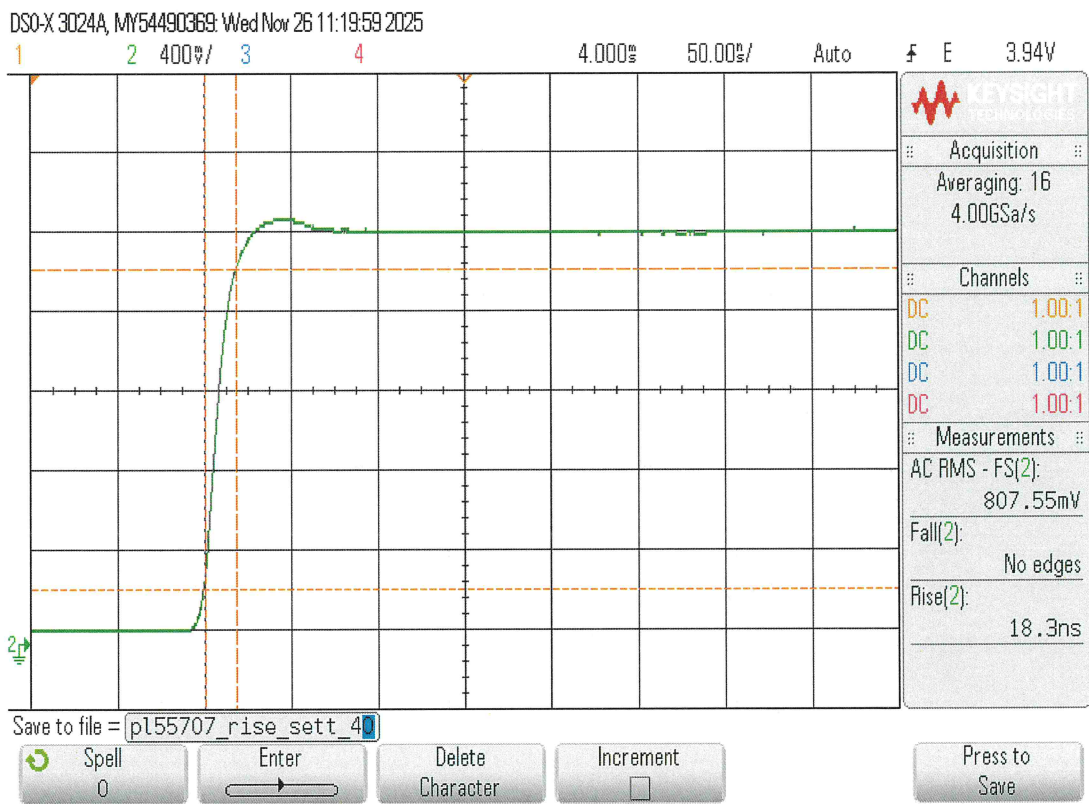


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Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

RISE TIME/SETTING TIME @ -40dBm

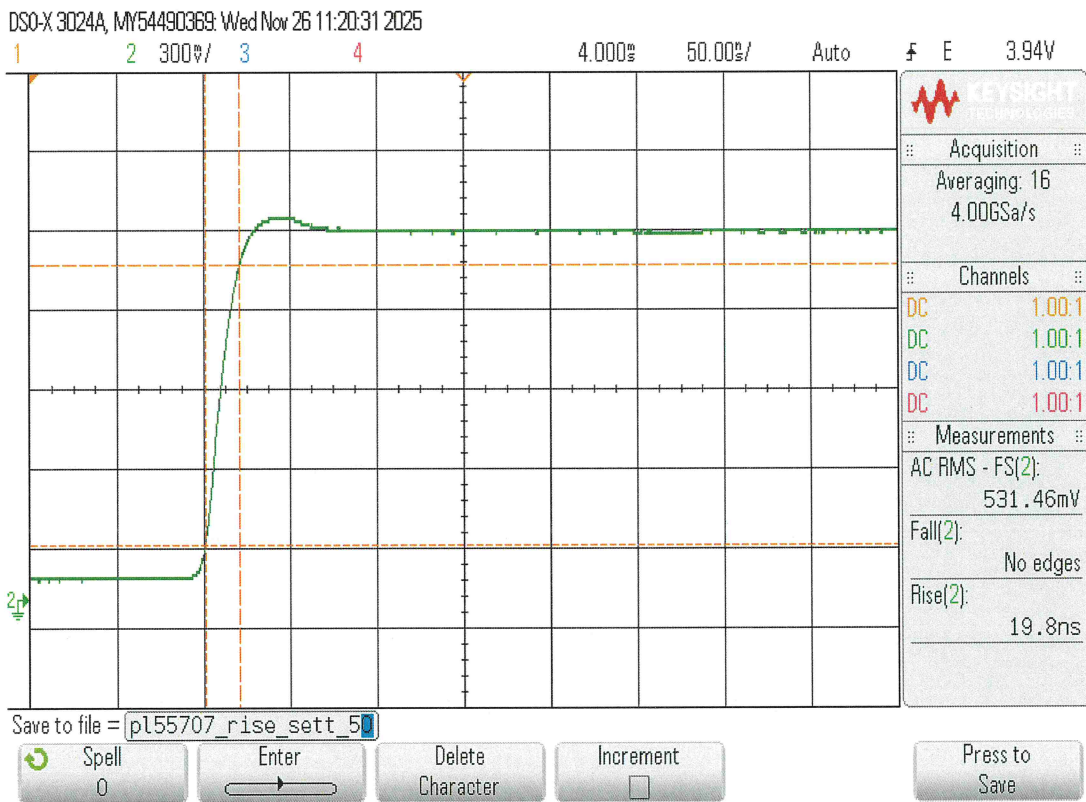


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

RISE TIME/SETTING TIME @ -50dBm



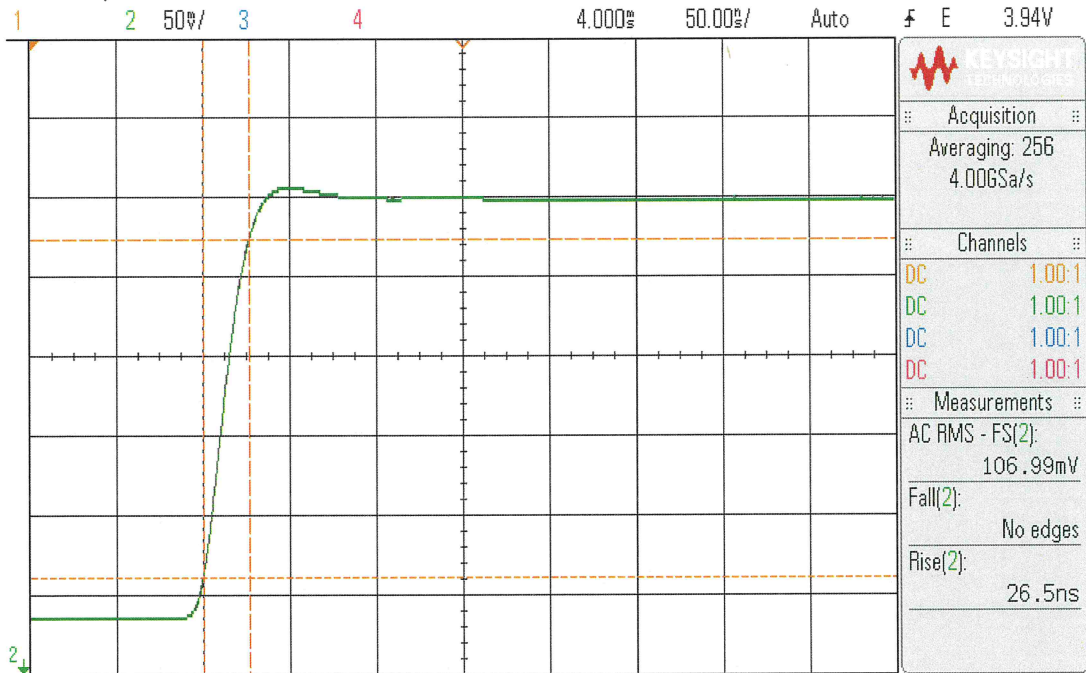
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

RISE TIME/SETTING TIME @ -65dBm

DSO-X 3024A, MY54490369: Wed Nov 26 11:21:25 2025



Acquire Menu

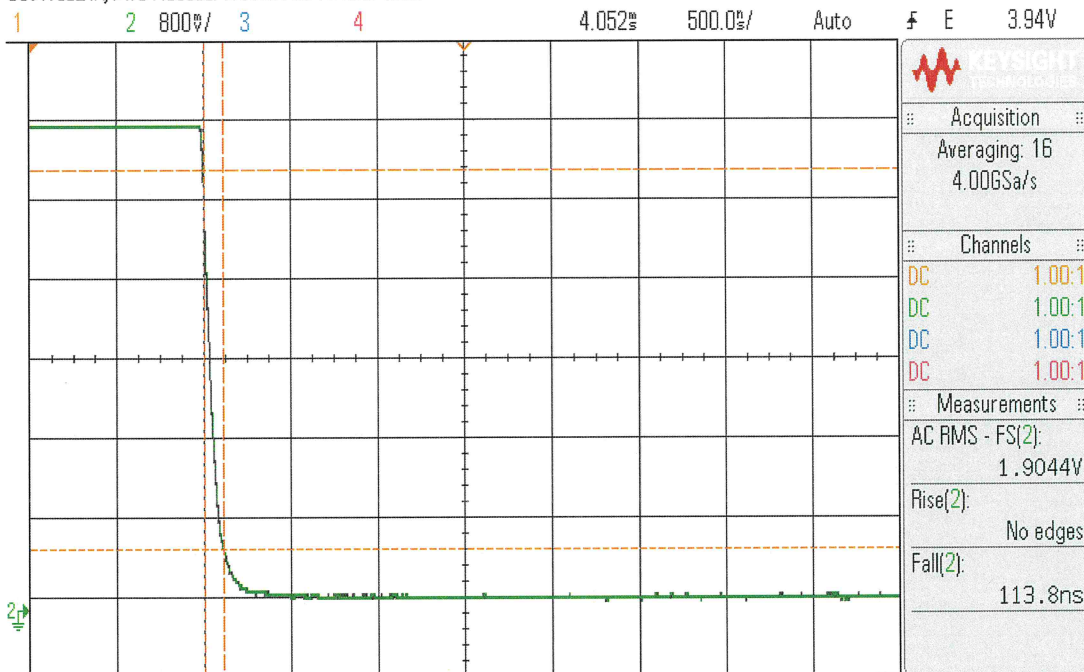
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
 Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

RECOVERY TIME @ 0dBm

DSO-X 3024A, MY54490369, Wed Nov 26 11:13:57 2025



Measurement Menu

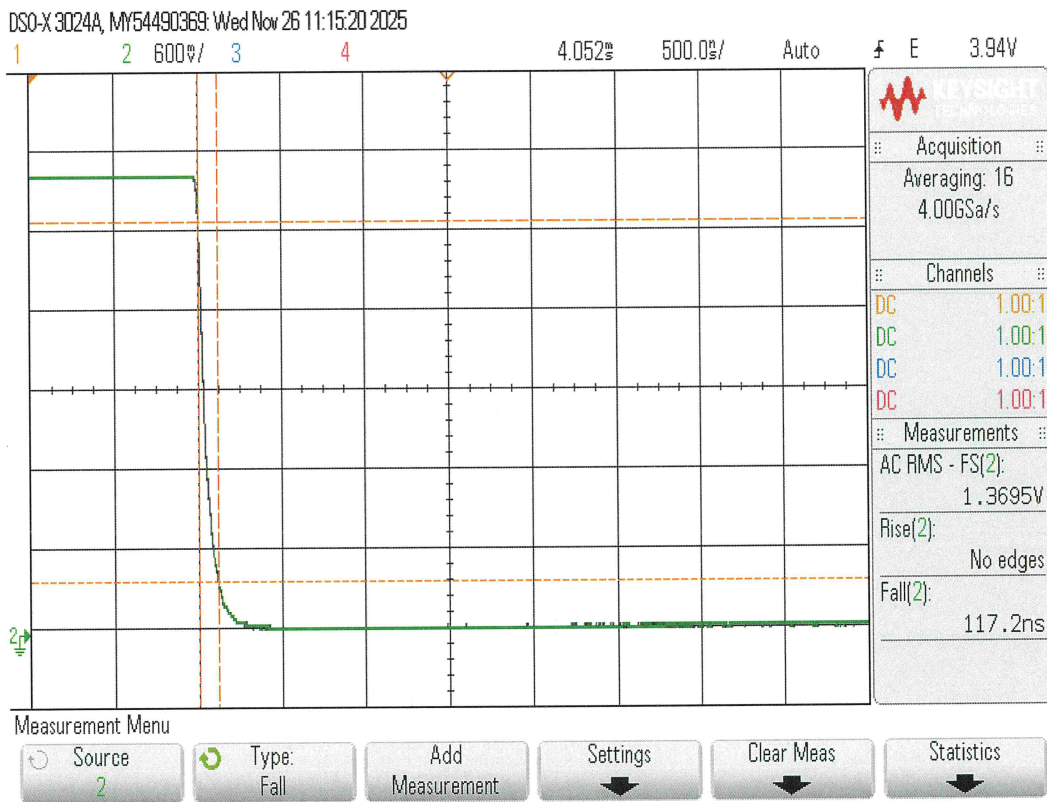
Source 2    Type: Fall    Add Measurement    Settings    Clear Meas    Statistics

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: PL55707/2548

RECOVERY TIME @ -20dBm



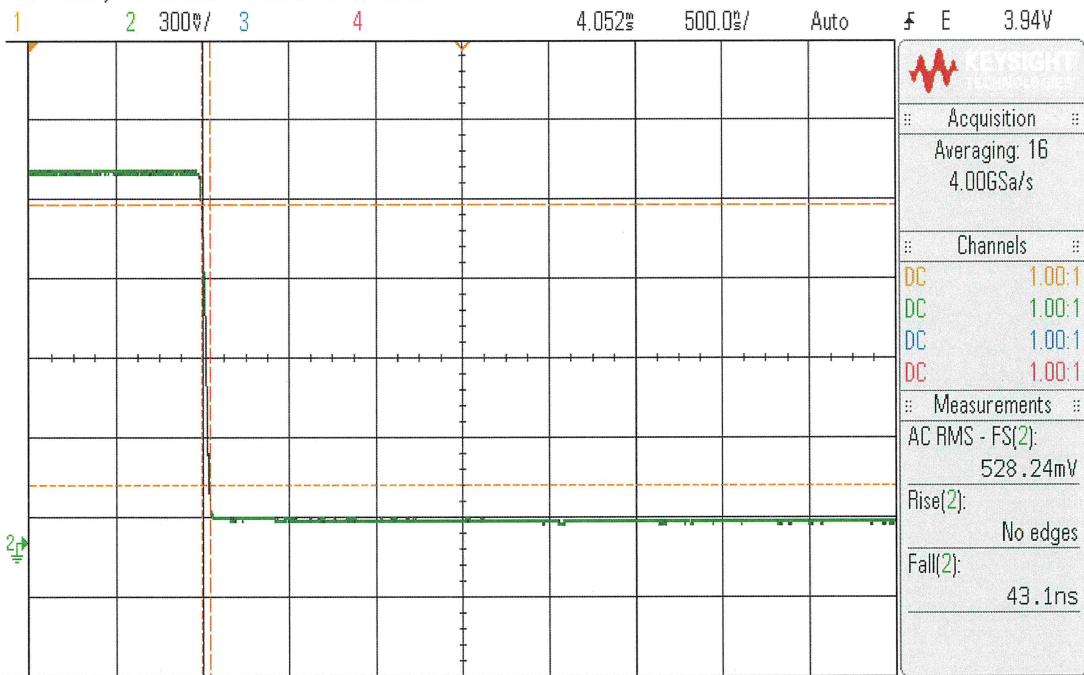
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

RECOVERY TIME @ -50dBm

DSO-X 3024A, MY54490369, Wed Nov 26 11:15:51 2025



Measurement Menu

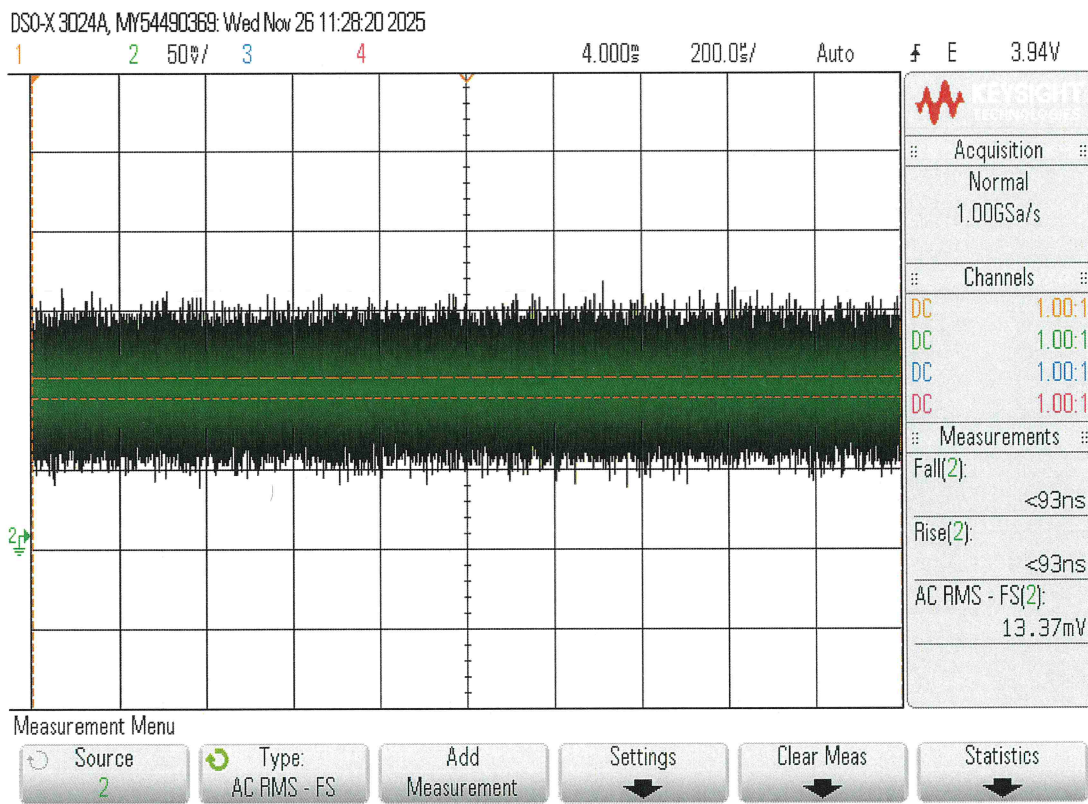
Source 2    Type: Fall    Add Measurement    Settings    Clear Meas    Statistics

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: PL55707/2548

RMS NOISE



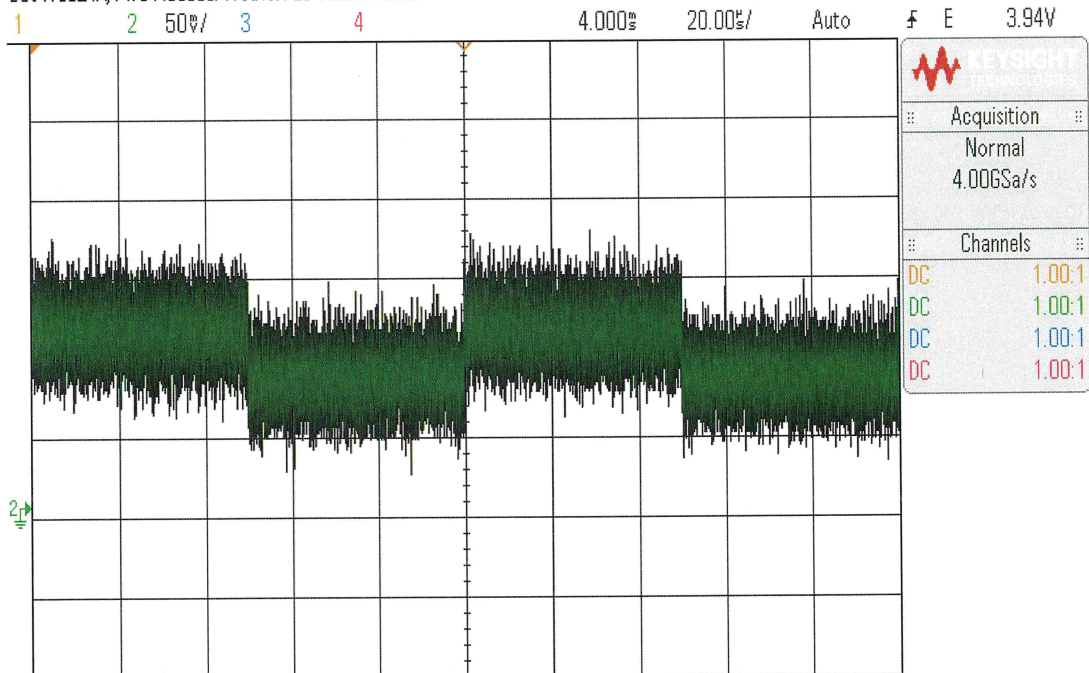
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731  
Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

TSS

DSO-X 3024A, MY54490369, Wed Nov 26 11:27:21 2025



KEYSIGHT TECHNOLOGIES	
Acquisition	:
Normal	:
4.00GSa/s	:
Channels	
DC	1.00:1
DC	1.00:1
DC	1.00:1
DC	1.00:1

Cursors Menu

Mode  
Off

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

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

Serial No: PL55707/2548

CW IMMUNITY TIME

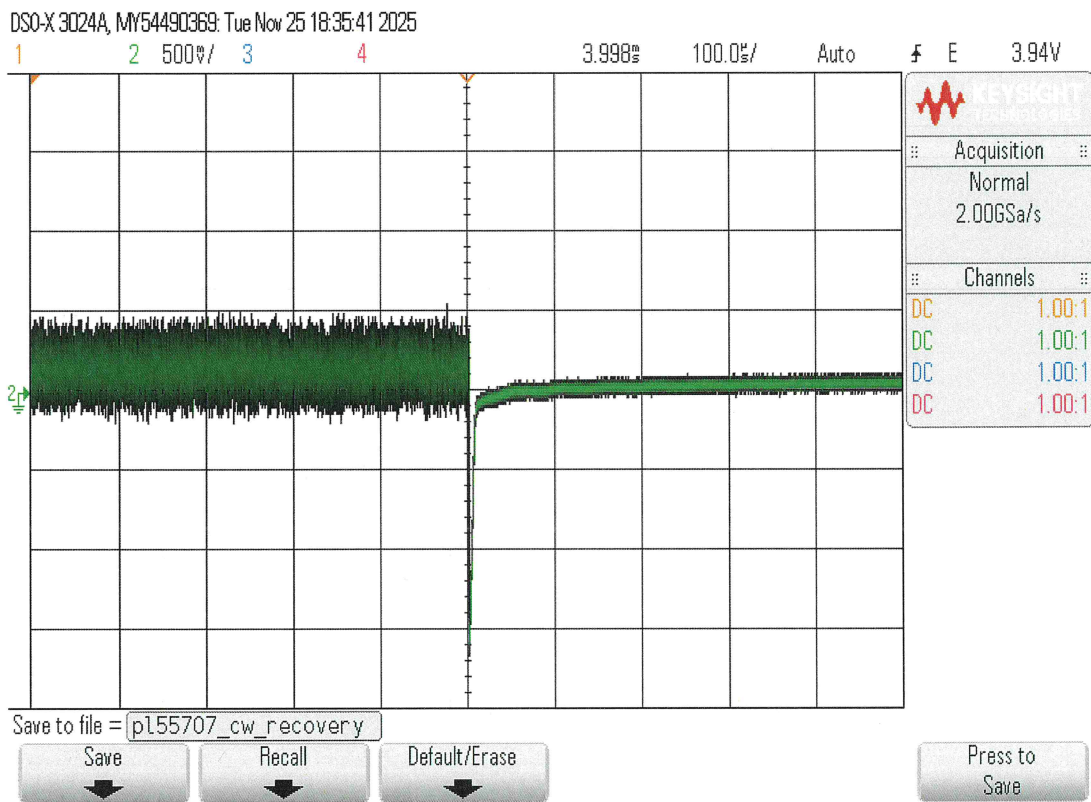


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Email: sales@quanticpmi.com

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

Serial No: PL55707/2548

CW RECOVERY TIME



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