



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: PL55709/2548 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	1.91:1	
3	Input Power Max:	(1) 1 W CW (2) 100 W Peak @ PW = 1 us & Duty Cycle = 1%	Pass (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

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

Serial No: PL55709/2548

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	68.48/69.81mV/dB	
9	Log Linearity:	±1.0 dB Max	+1.45/-1.56dB	
10	Log Accuracy @ 25°C:	±1.75 dB Max	+1.17/-1.18dB	
11	Absolute Log Accuracy:	±2.0 dB Max	+1.40/-1.33dB	
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)	111.9ns	
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	±.96 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: PL55709/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	221/275mV	PMI QA?
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	12.54mV	
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	3.3ms	
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. Manning 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: PL55709-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= 0.038

Frequency

8000 MHz	INTERCEPT (mV)	4772.2
	SLOPE (mV/dB)	69.36

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
270	624	940	1301	1672	2002	2320	2683	3033	3360	3760	4087	4441	4760	
6	13	-18	-3	21	4	-25	-8	-5	-25	28	8	16	-12	
0.09	0.19	-0.25	-0.05	0.30	0.06	-0.36	-0.12	-0.08	-0.36	0.41	0.12	0.22	-0.18	
0.72	0.84	0.40	0.62	0.98	0.75	0.34	0.59	0.64	0.37	1.15	0.87	0.98	0.59	

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

9000 MHz	INTERCEPT (mV)	4760.6
	SLOPE (mV/dB)	69.02

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
275	630	947	1309	1677	2008	2324	2682	3026	3361	3754	4080	4429	4743	
1	11	-18	-1	22	8	-21	-8	-9	-19	29	10	13	-18	
0.01	0.15	-0.25	-0.01	0.32	0.12	-0.30	-0.12	-0.13	-0.28	0.42	0.14	0.20	-0.26	
0.79	0.92	0.50	0.73	1.05	0.83	0.40	0.57	0.54	0.38	1.06	0.77	0.81	0.35	

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

10000 MHz	INTERCEPT (mV)	4777.7
	SLOPE (mV/dB)	69.33

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
271	628	947	1312	1682	2012	2331	2687	3036	3377	3761	4098	4441	4761	
0	10	-18	1	24	7	-20	-11	-9	-14	23	14	10	-17	
-0.01	0.14	-0.26	0.01	0.35	0.11	-0.29	-0.16	-0.12	-0.20	0.33	0.20	0.14	-0.24	
0.74	0.89	0.50	0.78	1.12	0.89	0.50	0.64	0.69	0.61	1.16	1.03	0.98	0.61	

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

11000 MHz	INTERCEPT (mV)	4785.5
	SLOPE (mV/dB)	69.81

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
255	610	931	1285	1655	1994	2313	2688	3050	3386	3762	4096	4440	4768	
7	13	-15	-10	11	1	-29	-3	10	-3	24	9	4	-18	
0.10	0.19	-0.21	-0.14	0.16	0.01	-0.42	-0.05	0.14	-0.05	0.34	0.12	0.05	-0.25	
0.51	0.63	0.27	0.39	0.73	0.63	0.24	0.66	0.89	0.74	1.17	1.00	0.97	0.71	

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

12000 MHz	INTERCEPT (mV)	4732.9
	SLOPE (mV/dB)	69.43

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
229	566	921	1246	1612	1964	2281	2660	3018	3338	3726	4036	4392	4700	
9	-1	-13	-15	4	8	-22	10	21	-6	35	-3	6	-33	
0.13	-0.01	-0.19	-0.22	0.05	0.12	-0.31	0.14	0.30	-0.09	0.50	-0.04	0.09	-0.47	
0.13	0.00	-0.16	-0.18	0.11	0.20	-0.22	0.25	0.43	0.05	0.65	0.13	0.28	-0.27	

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

13000 MHz	INTERCEPT (mV)	4737.6
	SLOPE (mV/dB)	69.61

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
227	564	897	1250	1616	1966	2277	2634	2995	3333	3725	4046	4404	4721	
14	3	-12	-7	11	13	-24	-15	-2	-12	32	4	14	-17	
0.20	0.04	-0.18	-0.10	0.15	0.18	-0.35	-0.22	-0.03	-0.18	0.45	0.06	0.21	-0.24	
0.10	-0.03	-0.22	-0.12	0.17	0.23	-0.28	-0.12	0.09	-0.02	0.64	0.28	0.45	0.03	

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

14000 MHz	INTERCEPT (mV)	4750.1
	SLOPE (mV/dB)	69.42

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
248	591	919	1270	1639	1987	2299	2652	3010	3351	3734	4062	4417	4735	
10	6	-13	-9	13	14	-21	-15	-5	-11	25	6	14	-15	
0.15	0.09	-0.19	-0.13	0.19	0.20	-0.31	-0.22	-0.07	-0.15	0.36	0.09	0.20	-0.22	
0.40	0.36	0.10	0.17	0.50	0.53	0.04	0.14	0.31	0.24	0.77	0.51	0.64	0.23	

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

15000 MHz	INTERCEPT (mV)	4717.8
	SLOPE (mV/dB)	68.93

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
238	582	911	1268	1637	1984	2296	2637	2984	3321	3710	4025	4390	4703	
1	0	-16	-3	21	23	-9	-13	-11	-18	26	-3	17	-15	
0.01	0.00	-0.23	-0.05	0.31	0.34	-0.13	-0.19	-0.15	-0.26	0.38	-0.05	0.24	-0.21	
0.26	0.23	-0.02	0.14	0.47	0.49	-0.01	-0.08	-0.07	-0.20	0.42	-0.03	0.25	-0.23	

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

16000 MHz	INTERCEPT (mV)	4727.1
	SLOPE (mV/dB)	68.85

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
250	600	924	1281	1652	1994	2307	2654	2990	3328	3721	4039	4398	4714	
-2	4	-16	-4	23	21	-10	-8	-16	-22	27	0	15	-13	
-0.02	0.06	-0.24	-0.05	0.34	0.30	-0.15	-0.11	-0.23	-0.32	0.39	0.01	0.22	-0.19	
0.43	0.49	0.17	0.33	0.69	0.63	0.15	0.17	0.02	-0.10	0.58	0.18	0.36	-0.07	

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

17000 MHz	INTERCEPT (mV)	4733.8
	SLOPE (mV/dB)	69.12

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
247	590	918	1271	1641	1988	2303	2651	2993	3331	3714	4049	4405	4723	
6	3	-14	-7	18	19	-12	-9	-13	-20	17	6	17	-11	
0.09	0.05	-0.21	-0.10	0.25	0.27	-0.17	-0.13	-0.19	-0.30	0.25	0.09	0.24	-0.16	
0.39	0.35	0.08	0.18	0.53	0.54	0.09	0.12	0.06	-0.05	0.48	0.32	0.46	0.06	

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

18000 MHz	INTERCEPT (mV)	4660.8
	SLOPE (mV/dB)	68.48

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
221	537	882	1227	1596	1951	2259	2608	2942	3253	3658	3969	4343	4646	
12	-15	-12	-10	17	29	-5	2	-7	-38	24	-7	25	-15	
0.17	-0.22	-0.18	-0.14	0.25	0.43	-0.07	0.02	-0.10	-0.56	0.36	-0.10	0.36	-0.22	
0.01	-0.42	-0.44	-0.45	-0.12	0.01	-0.54	-0.50	-0.67	-1.18	-0.33	-0.83	-0.43	-1.05	

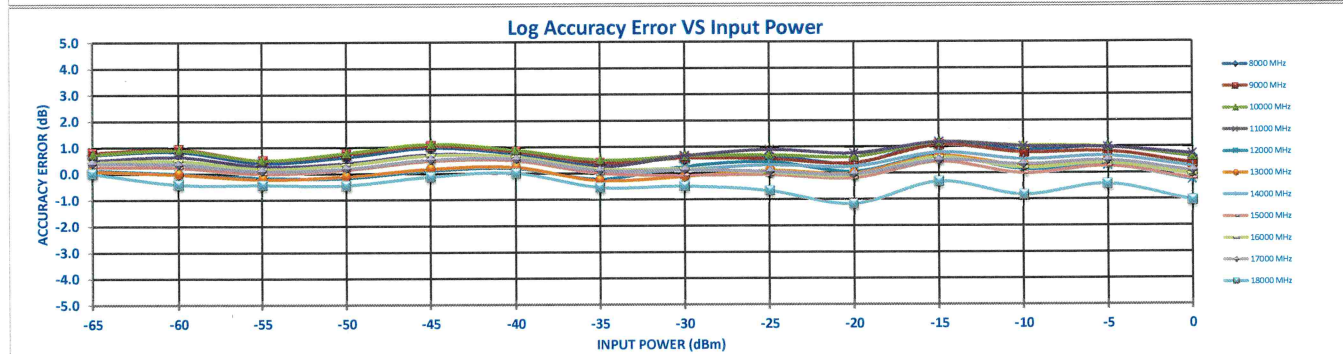
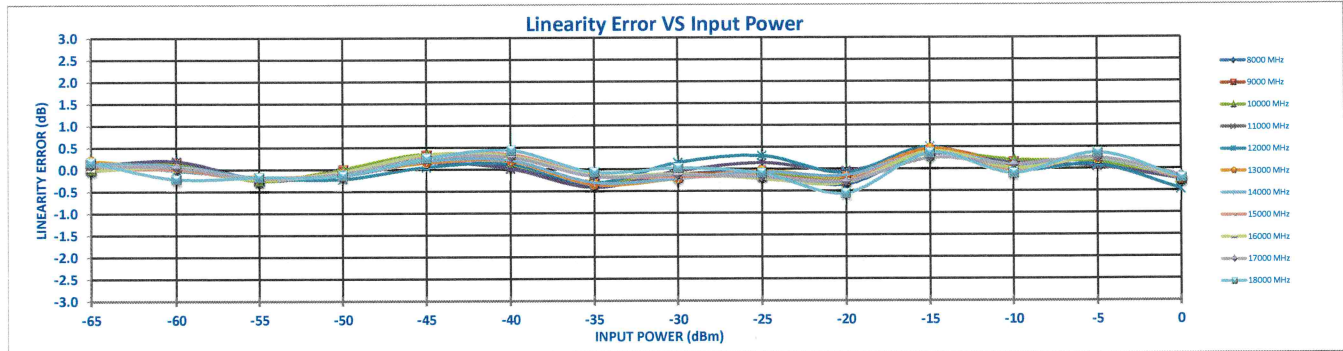
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.39	0.67	0.47	0.61	0.62	0.44	0.52	0.58	0.78	0.96	0.75	0.93	0.71	0.88
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-65dBm mV-Out

275	Max
221	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55709-BIT

Test Temp: +25C



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 ISO 9001:2000 CERTIFIED

DC Offset= 0.039

Frequency

8000 MHz	INTERCEPT (mV)	4770.7
	SLOPE (mV/dB)	69.40

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
263	616	939	1299	1668	2001	2316	2682	3035	3360	3759	4084	4437	4755	
3	9	-15	-2	20	6	-26	-7	-1	-23	29	7	13	-16	
0.05	0.13	-0.21	-0.03	0.29	0.09	-0.37	-0.10	-0.01	-0.33	0.42	0.10	0.19	-0.23	
0.55	0.65	0.31	0.51	0.84	0.65	0.20	0.49	0.59	0.28	1.04	0.74	0.84	0.43	

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

9000 MHz	INTERCEPT (mV)	4763.5
	SLOPE (mV/dB)	68.97

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
277	634	952	1315	1685	2014	2332	2688	3033	3364	3755	4082	4430	4746	
-3	9	-18	0	25	9	-17	-6	-6	-20	26	8	11	-18	
-0.05	0.13	-0.26	0.00	0.37	0.14	-0.25	-0.09	-0.09	-0.29	0.38	0.12	0.16	-0.25	
0.75	0.91	0.50	0.74	1.09	0.84	0.43	0.57	0.56	0.34	0.99	0.71	0.74	0.30	

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

10000 MHz	INTERCEPT (mV)	4784.1
	SLOPE (mV/dB)	69.35

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
274	633	952	1317	1687	2017	2336	2695	3044	3386	3766	4104	4445	4766	
-2	10	-18	1	24	7	-21	-9	-5	-11	22	13	8	-16	
-0.03	0.14	-0.26	0.01	0.34	0.10	-0.30	-0.12	-0.09	-0.16	0.32	0.19	0.11	-0.26	
0.71	0.89	0.50	0.77	1.12	0.88	0.49	0.68	0.72	0.66	1.15	1.03	0.95	0.59	

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

11000 MHz	INTERCEPT (mV)	4798.1
	SLOPE (mV/dB)	69.83

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
263	622	943	1300	1668	2005	2326	2700	3062	3401	3770	4110	4450	4782	
4	14	-15	-7	12	0	-28	-3	10	-1	19	10	1	-16	
0.05	0.19	-0.21	-0.10	0.17	0.00	-0.40	-0.05	0.14	-0.01	0.28	0.15	0.01	-0.23	
0.55	0.73	0.37	0.53	0.84	0.71	0.35	0.75	0.98	0.87	1.20	1.11	1.02	0.82	

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

12000 MHz	INTERCEPT (mV)	4751.5
	SLOPE (mV/dB)	69.52

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
240	582	913	1262	1630	1977	2297	2676	3032	3358	3738	4057	4408	4721	
7	2	-15	-14	7	6	-21	10	18	-3	29	1	4	-31	
0.10	0.02	-0.22	-0.20	0.10	0.09	-0.31	0.14	0.26	-0.05	0.42	0.01	0.06	-0.44	
0.22	0.16	-0.06	-0.02	0.29	0.31	-0.07	0.40	0.54	0.25	0.74	0.35	0.42	-0.06	

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

13000 MHz	INTERCEPT (mV)	4742.1
	SLOPE (mV/dB)	69.55

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
233	574	905	1255	1622	1972	2283	2643	3004	3339	3728	4051	4408	4725	
12	5	-12	-9	10	12	-25	-12	1	-12	29	4	14	-17	
0.17	0.07	-0.17	-0.13	0.14	0.17	-0.35	-0.18	0.01	-0.17	0.42	0.06	0.20	-0.25	
0.12	0.04	-0.18	-0.12	0.18	0.23	-0.27	-0.08	0.14	-0.02	0.60	0.26	0.42	0.00	

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

14000 MHz	INTERCEPT (mV)	4753.4
	SLOPE (mV/dB)	69.36

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
249	601	924	1279	1648	1993	2307	2658	3016	3357	3737	4063	4419	4739	
4	9	-15	-7	16	14	-19	-15	-3	-9	24	3	12	-14	
0.06	0.13	-0.21	-0.09	0.23	0.20	-0.27	-0.21	-0.05	-0.13	0.35	0.05	0.18	-0.21	
0.35	0.43	0.10	0.22	0.55	0.54	0.07	0.14	0.31	0.24	0.73	0.43	0.58	0.20	

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

15000 MHz	INTERCEPT (mV)	4725.8
	SLOPE (mV/dB)	69.10

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
238	583	911	1267	1637	1984	2296	2636	2983	3322	3711	4038	4399	4716	
4	3	-14	-4	21	22	-11	-17	-15	-22	22	3	19	-10	
0.05	0.05	-0.21	-0.06	0.30	0.32	-0.16	-0.24	-0.22	-0.32	0.31	0.05	0.27	-0.14	
0.19	0.17	-0.09	0.05	0.39	0.41	-0.09	-0.18	-0.16	-0.27	0.35	0.07	0.29	-0.13	

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

16000 MHz	INTERCEPT (mV)	4706.6
	SLOPE (mV/dB)	68.80

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
237	579	909	1261	1631	1978	2289	2635	2971	3306	3706	4014	4380	4694	
2	0	-14	-6	20	23	-10	-8	-16	-25	31	-5	17	-13	
0.03	0.00	-0.20	-0.08	0.29	0.34	-0.14	-0.11	-0.23	-0.36	0.46	-0.07	0.25	-0.18	
0.17	0.11	-0.12	-0.04	0.31	0.32	-0.19	-0.19	-0.34	-0.50	0.28	-0.27	0.01	-0.45	

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

17000 MHz	INTERCEPT (mV)	4720.5
	SLOPE (mV/dB)	69.10

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
237	575	906	1259	1628	1978	2292	2638	2978	3315	3703	4033	4394	4711	
8	0	-14	-7	17	21	-10	-10	-15	-24	19	3	19	-10	
0.12	0.01	-0.20	-0.09	0.25	0.31	-0.15	-0.14	-0.22	-0.34	0.27	0.05	0.27	-0.14	
0.17	0.06	-0.16	-0.07	0.26	0.32	-0.14	-0.15	-0.24	-0.37	0.24	0.00	0.22	-0.21	

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

18000 MHz	INTERCEPT (mV)	4667.9
	SLOPE (mV/dB)	68.60

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
218	543	882	1229	1598	1953	2260	2608	2944	3255	3659	3978	4351	4657	
9	-9	-13	-9	17	29	-7	-2	-9	-41	20	-4	26	-11	
0.14	-0.13	-0.18	-0.13	0.25	0.43	-0.10	-0.03	-0.13	-0.59	0.29	-0.06	0.38	-0.16	
-0.10	-0.41	-0.51	-0.50	-0.17	-0.04	-0.61	-0.58	-0.73	-1.24	-0.40	-0.79	-0.41	-0.99	

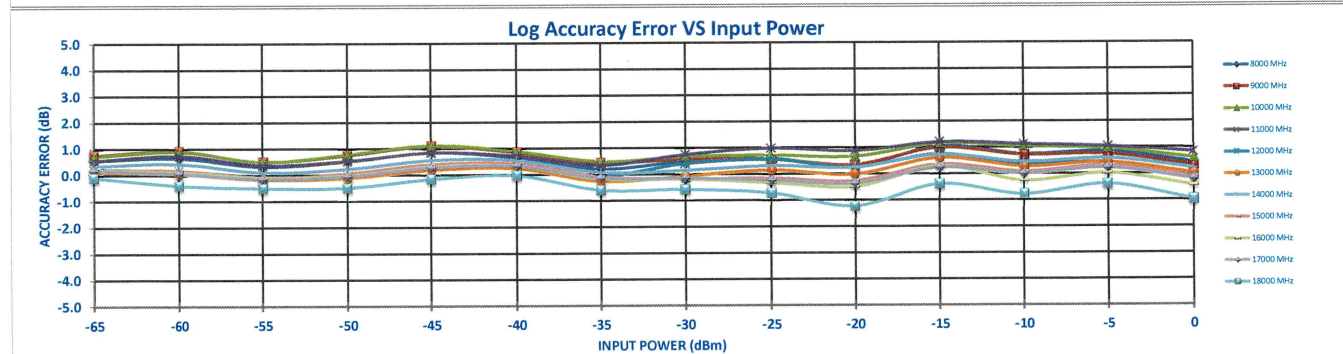
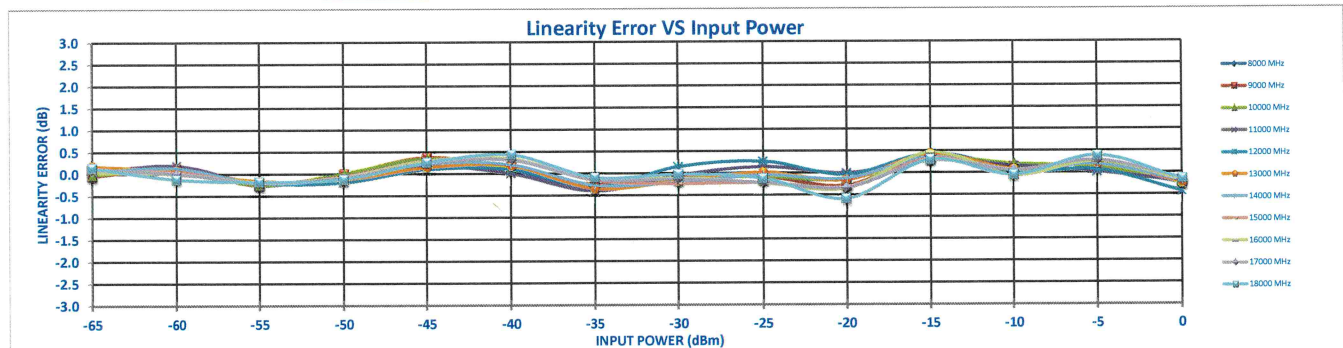
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.43	0.66	0.51	0.64	0.64	0.46	0.55	0.66	0.85	1.05	0.80	0.95	0.71	0.90
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-65dBm mV-Out

277	Max
218	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55709-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= 0.032

Frequency

8000 MHz	INTERCEPT (mV)	4798.6
	SLOPE (mV/dB)	69.95

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
271	618	934	1299	1673	2005	2319	2679	3032	3358	3777	4110	4477	4801	
19	16	-17	-2	22	4	-31	-21	-18	-42	28	11	28	2	
0.27	0.23	-0.25	-0.03	0.32	0.06	-0.45	-0.30	-0.25	-0.59	0.40	0.16	0.40	0.03	
1.02	0.99	0.51	0.74	1.10	0.85	0.35	0.51	0.56	0.23	1.23	1.00	1.26	0.90	

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

9000 MHz	INTERCEPT (mV)	4793
	SLOPE (mV/dB)	69.66

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
279	628	944	1312	1684	2012	2328	2678	3028	3362	3778	4110	4473	4790	
14	15	-18	2	26	5	-27	-25	-23	-38	30	14	28	-3	
0.20	0.21	-0.25	0.03	0.37	0.08	-0.39	-0.36	-0.34	-0.54	0.43	0.20	0.41	-0.04	
1.13	1.13	0.66	0.93	1.25	0.95	0.48	0.49	0.50	0.29	1.25	1.00	1.20	0.74	

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

10000 MHz	INTERCEPT (mV)	4811.1
	SLOPE (mV/dB)	69.99

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
276	628	944	1314	1688	2016	2332	2683	3038	3377	3785	4131	4487	4810	
14	16	-18	3	27	5	-29	-28	-23	-34	24	20	26	-1	
0.21	0.23	-0.25	0.04	0.38	0.07	-0.42	-0.40	-0.33	-0.49	0.34	0.28	0.37	-0.02	
1.09	1.13	0.66	0.96	1.31	1.01	0.54	0.56	0.65	0.50	1.35	1.30	1.40	1.03	

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

11000 MHz	INTERCEPT (mV)	4812.6
	SLOPE (mV/dB)	70.46

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
256	606	925	1281	1654	1993	2308	2676	3044	3378	3780	4124	4482	4812	
23	21	-13	-9	12	-1	-39	-23	-7	-25	24	16	22	-1	
0.33	0.29	-0.18	-0.12	0.17	-0.02	-0.55	-0.33	-0.10	-0.36	0.34	0.23	0.31	-0.01	
0.80	0.82	0.38	0.48	0.83	0.68	0.19	0.46	0.73	0.52	1.28	1.20	1.33	1.06	

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

12000 MHz	INTERCEPT (mV)	4748.4
	SLOPE (mV/dB)	70.08

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
222	549	883	1227	1600	1951	2263	2634	3000	3317	3735	4050	4425	4733	
29	6	-11	-17	5	6	-29	-12	4	-30	38	2	27	-15	
0.42	0.08	-0.15	-0.25	0.08	0.09	-0.46	-0.17	0.05	-0.42	0.54	0.04	0.39	-0.22	
0.32	0.00	-0.22	-0.29	0.05	0.08	-0.45	-0.14	0.10	-0.36	0.63	0.14	0.51	-0.08	

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

13000 MHz	INTERCEPT (mV)	4750.1
	SLOPE (mV/dB)	70.15

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
223	548	882	1231	1604	1957	2264	2611	2980	3313	3731	4056	4433	4749	
33	7	-10	-11	11	13	-31	-35	-16	-34	33	7	34	-1	
0.47	0.10	-0.14	-0.16	0.15	0.19	-0.44	-0.49	-0.23	-0.49	0.47	0.11	0.48	-0.02	
0.33	-0.02	-0.23	-0.23	0.11	0.16	-0.44	-0.47	-0.18	-0.41	0.57	0.23	0.63	0.15	

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

14000 MHz	INTERCEPT (mV)	4767
	SLOPE (mV/dB)	70.00

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
243	582	906	1257	1631	1979	2288	2631	2997	3334	3743	4078	4450	4769	
26	16	-11	-10	14	12	-29	-36	-20	-33	26	11	33	2	
0.37	0.21	-0.16	-0.14	0.20	0.17	-0.41	-0.51	-0.29	-0.47	0.37	0.16	0.47	0.03	
0.62	0.47	0.11	0.14	0.50	0.48	-0.09	-0.18	0.06	-0.11	0.75	0.54	0.87	0.44	

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

15000 MHz	INTERCEPT (mV)	4739.7
	SLOPE (mV/dB)	69.49

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
238	579	903	1260	1635	1981	2290	2624	2979	3311	3722	4046	4426	4742	
15	9	-15	-5	23	21	-17	-31	-23	-39	25	1	34	2	
0.22	0.13	-0.21	-0.07	0.32	0.30	-0.25	-0.44	-0.34	-0.56	0.36	0.02	0.49	0.03	
0.54	0.43	0.07	0.18	0.55	0.51	-0.07	-0.28	-0.20	-0.44	0.44	0.08	0.53	0.05	

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

16000 MHz	INTERCEPT (mV)	4752.2
	SLOPE (mV/dB)	69.42

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
254	599	919	1277	1652	1994	2304	2643	2989	3321	3734	4064	4436	4758	
14	12	-15	-4	24	19	-18	-27	-28	-43	23	6	31	6	
0.20	0.17	-0.22	-0.06	0.34	0.27	-0.27	-0.38	-0.40	-0.62	0.33	0.09	0.45	0.08	
0.77	0.71	0.30	0.43	0.80	0.69	0.13	-0.01	-0.05	-0.30	0.62	0.34	0.67	0.28	

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

17000 MHz	INTERCEPT (mV)	4758.3
	SLOPE (mV/dB)	69.71

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
247	588	912	1266	1642	1988	2301	2636	2986	3324	3726	4074	4443	4767	
20	12	-12	-7	20	18	-18	-31	-30	-40	13	13	33	9	
0.28	0.17	-0.18	-0.10	0.29	0.26	-0.25	-0.45	-0.43	-0.58	0.19	0.18	0.48	0.12	
0.67	0.56	0.20	0.27	0.65	0.61	0.09	-0.11	-0.10	-0.26	0.50	0.49	0.77	0.41	

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

18000 MHz	INTERCEPT (mV)	4686.5
	SLOPE (mV/dB)	69.09

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
219	536	874	1221	1596	1951	2256	2598	2940	3249	3671	3992	4381	4689	
24	-5	-12	-11	19	28	-12	-16	-19	-56	21	-4	40	2	
0.34	-0.07	-0.18	-0.16	0.27	0.41	-0.18	-0.23	-0.28	-0.80	0.30	-0.05	0.58	0.04	
0.27	-0.19	-0.35	-0.38	-0.01	0.08	-0.55	-0.65	-0.76	-1.33	-0.29	-0.69	-0.12	-0.71	

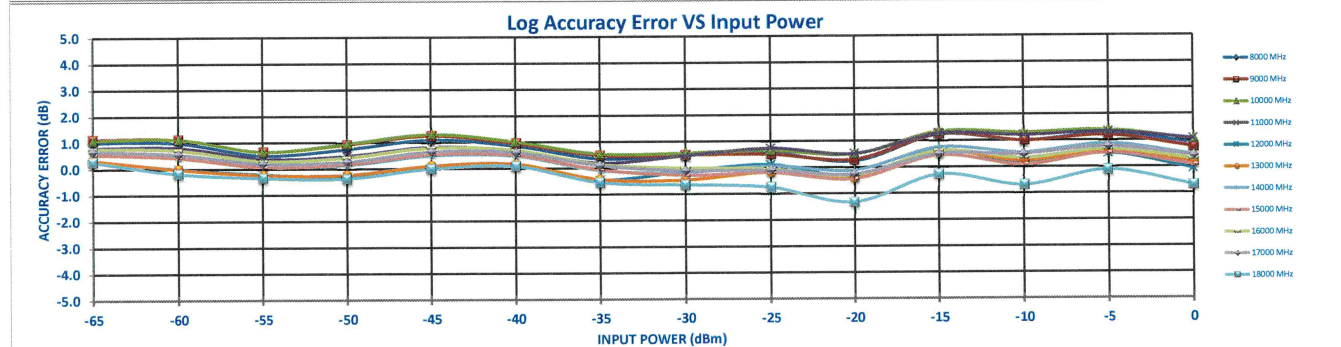
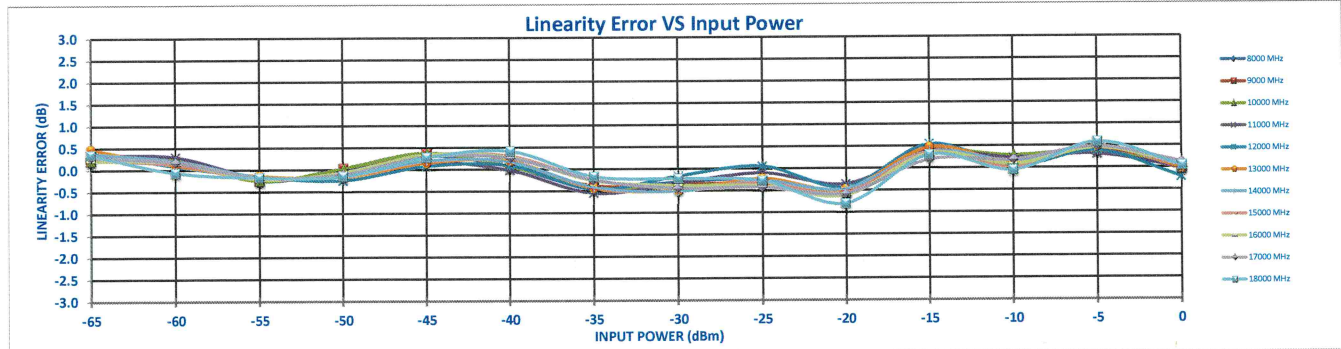
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.43	0.66	0.50	0.67	0.66	0.47	0.54	0.61	0.74	0.92	0.82	1.00	0.76	0.88
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-65dBm mV-Out

279	Max
219	Min



LOG TRANSFER WITH FREQUENCY
 MODEL: ERLVA-8G18G-65-70MV-2
 TESTED BY: JIM HOPSON
 DATE: 11/29/25
 SERIAL NO: PL55709-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

8000 MHz	INTERCEPT (mV)	4694
	SLOPE (mV/dB)	68.81

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
240	567	893	1239	1602	1944	2259	2628	2990	3315	3694	4014	4355	4666	
19	2	-16	-14	5	3	-27	-2	16	-3	32	8	5	-28	
0.27	0.03	-0.24	-0.21	0.07	0.04	-0.39	-0.02	0.24	-0.04	0.47	0.12	0.07	-0.41	
1.02	0.77	0.51	0.54	0.81	0.78	0.36	0.72	0.98	0.70	1.21	0.86	0.82	0.34	

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

9000 MHz	INTERCEPT (mV)	4678.7
	SLOPE (mV/dB)	68.51

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
241	567	894	1240	1601	1945	2259	2622	2976	3311	3684	4002	4340	4647	
16	-1	-17	-13	5	4	-22	-1	10	3	33	8	4	-32	
0.23	-0.01	-0.24	-0.19	0.08	0.10	-0.32	-0.02	0.15	0.04	0.48	0.12	0.06	-0.46	
1.03	0.77	0.52	0.55	0.80	0.80	0.36	0.63	0.78	0.65	1.07	0.69	0.60	0.06	

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

10000 MHz	INTERCEPT (mV)	4695.9
	SLOPE (mV/dB)	68.92

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
235	560	887	1237	1598	1943	2260	2625	2986	3327	3692	4018	4352	4664	
19	-1	-18	-13	3	4	-24	-3	13	10	30	11	1	-32	
0.27	-0.01	-0.27	-0.19	0.05	0.06	-0.34	-0.05	0.19	0.14	0.43	0.16	0.01	-0.46	
0.94	0.67	0.42	0.51	0.75	0.77	0.37	0.68	0.92	0.88	1.18	0.92	0.77	0.31	

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

11000 MHz	INTERCEPT (mV)	4709
	SLOPE (mV/dB)	69.34

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
225	551	881	1221	1581	1932	2251	2634	3007	3343	3698	4023	4355	4676	
23	2	-14	-21	-8	7	-31	5	31	21	29	7	-7	-33	
0.33	0.03	-0.21	-0.31	-0.11	-0.05	-0.45	0.07	0.45	0.30	0.42	0.11	-0.11	-0.48	
0.80	0.54	0.33	0.27	0.51	0.61	0.24	0.81	1.23	1.11	1.27	0.99	0.82	0.48	

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

12000 MHz	INTERCEPT (mV)	4655.9
	SLOPE (mV/dB)	68.96

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
202	510	850	1182	1539	1899	2217	2601	2968	3292	3661	3965	4310	4612	
28	-9	-13	-26	-14	1	-25	14	36	15	39	-1	-1	-44	
0.41	-0.12	-0.19	-0.38	-0.20	0.02	-0.37	0.20	0.52	0.22	0.57	-0.02	-0.02	-0.64	
0.47	-0.06	-0.12	-0.29	-0.11	0.13	-0.25	0.33	0.66	0.37	0.73	0.15	0.16	-0.45	

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

13000 MHz	INTERCEPT (mV)	4666
	SLOPE (mV/dB)	69.20

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
204	506	847	1186	1543	1904	2217	2582	2950	3294	3664	3979	4325	4637	
36	-8	-13	-20	-9	6	-27	-8	14	12	36	5	5	-29	
0.52	-0.12	-0.19	-0.29	-0.13	0.09	-0.39	-0.12	0.20	0.17	0.52	0.07	0.07	-0.42	
0.49	-0.12	-0.16	-0.23	-0.05	0.20	-0.25	0.05	0.40	0.40	0.78	0.35	0.38	-0.08	

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

14000 MHz	INTERCEPT (mV)	4673.9
	SLOPE (mV/dB)	69.11

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
214	523	860	1196	1556	1917	2231	2595	2960	3304	3669	3990	4332	4645	
32	-5	-13	-23	-8	7	-24	-6	14	12	32	7	4	-29	
0.46	-0.07	-0.19	-0.33	-0.12	0.11	-0.35	-0.08	0.20	0.18	0.46	0.10	0.05	-0.42	
0.64	0.13	0.03	-0.09	0.14	0.39	-0.05	0.24	0.55	0.54	0.85	0.51	0.48	0.03	

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

15000 MHz	INTERCEPT (mV)	4640.1
	SLOPE (mV/dB)	68.59

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
207	515	852	1192	1552	1913	2226	2579	2930	3273	3646	3953	4305	4611	
25	-10	-16	-19	-2	16	-14	-3	5	5	35	-1	8	-29	
0.37	-0.14	-0.23	-0.27	-0.02	0.24	-0.20	-0.05	0.07	0.07	0.51	-0.02	0.11	-0.42	
0.54	0.01	-0.09	-0.15	0.08	0.33	-0.12	0.01	0.11	0.09	0.51	-0.02	0.09	-0.46	

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

16000 MHz	INTERCEPT (mV)	4646.5
	SLOPE (mV/dB)	68.57

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
212	526	860	1199	1560	1918	2232	2590	2933	3276	3653	3963	4311	4618	
23	-6	-15	-19	-1	14	-14	1	1	1	35	2	7	-29	
0.33	-0.09	-0.22	-0.28	-0.01	0.21	-0.21	0.01	0.01	0.01	0.51	0.03	0.11	-0.42	
0.61	0.17	0.03	-0.05	0.20	0.40	-0.03	0.17	0.15	0.14	0.62	0.12	0.18	-0.36	

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

17000 MHz	INTERCEPT (mV)	4653.7
	SLOPE (mV/dB)	68.92

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
206	510	851	1185	1545	1909	2224	2587	2936	3278	3646	3972	4317	4628	
32	-9	-12	-23	-7	12	-18	1	5	3	26	7	8	-26	
0.46	-0.13	-0.18	-0.33	-0.11	0.17	-0.25	0.01	0.08	0.04	0.38	0.11	0.11	-0.37	
0.52	-0.06	-0.10	-0.25	-0.02	0.27	-0.15	0.13	0.20	0.17	0.51	0.25	0.27	-0.21	

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

18000 MHz	INTERCEPT (mV)	4573.9
	SLOPE (mV/dB)	68.00

	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
199	490	813	1142	1500	1868	2179	2539	2881	3199	3587	3891	4254	4552	
45	-4	-21	-32	-14	14	-15	5	7	-15	33	-3	20	-22	
0.66	-0.06	-0.31	-0.47	-0.20	0.21	-0.22	0.08	0.10	-0.22	0.49	-0.04	0.30	-0.32	
0.42	-0.35	-0.66	-0.87	-0.67	0.32	-0.80	-0.57	-0.60	-0.98	-0.34	-0.92	-0.65	-1.32	

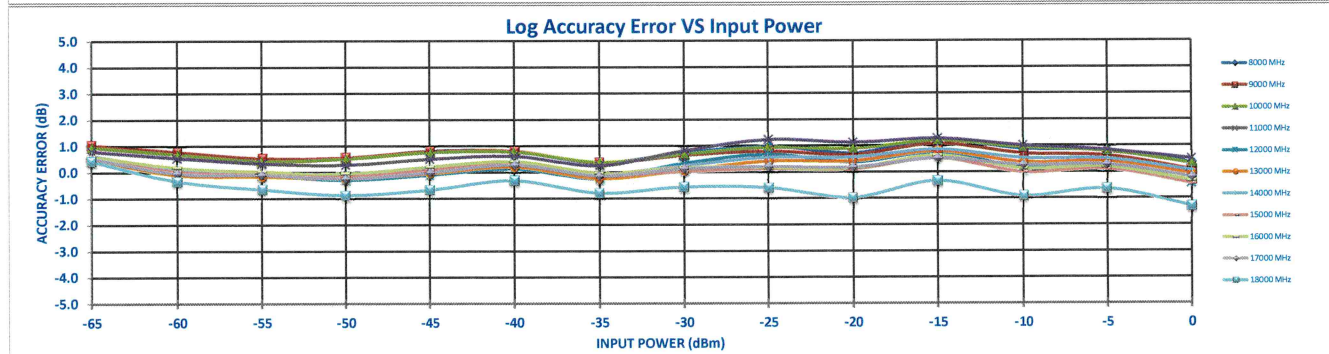
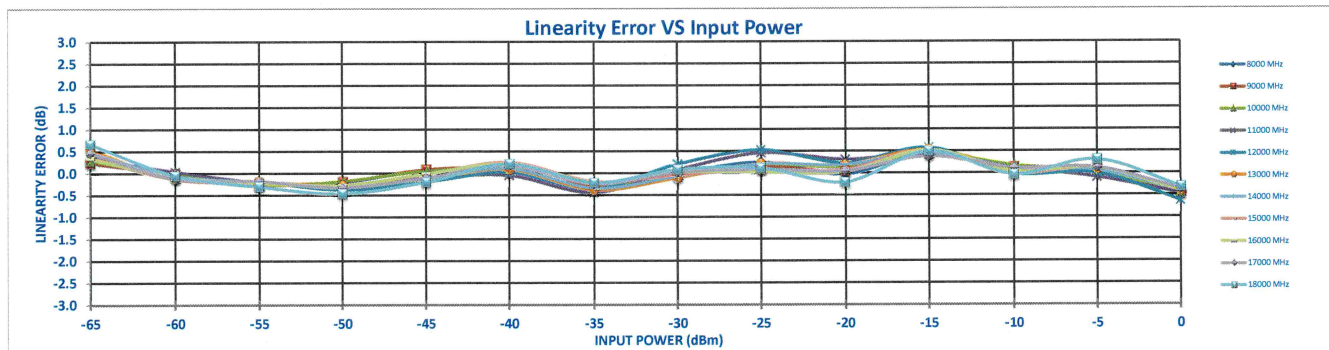
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)
ACCURACY ERROR (dB)

Flatness +/- dB

0.31	0.56	0.59	0.71	0.74	0.56	0.59	0.69	0.92	1.05	0.81	0.96	0.73	0.90	
------	------	------	------	------	------	------	------	------	------	------	------	------	------	--

-65dBm mV-Out

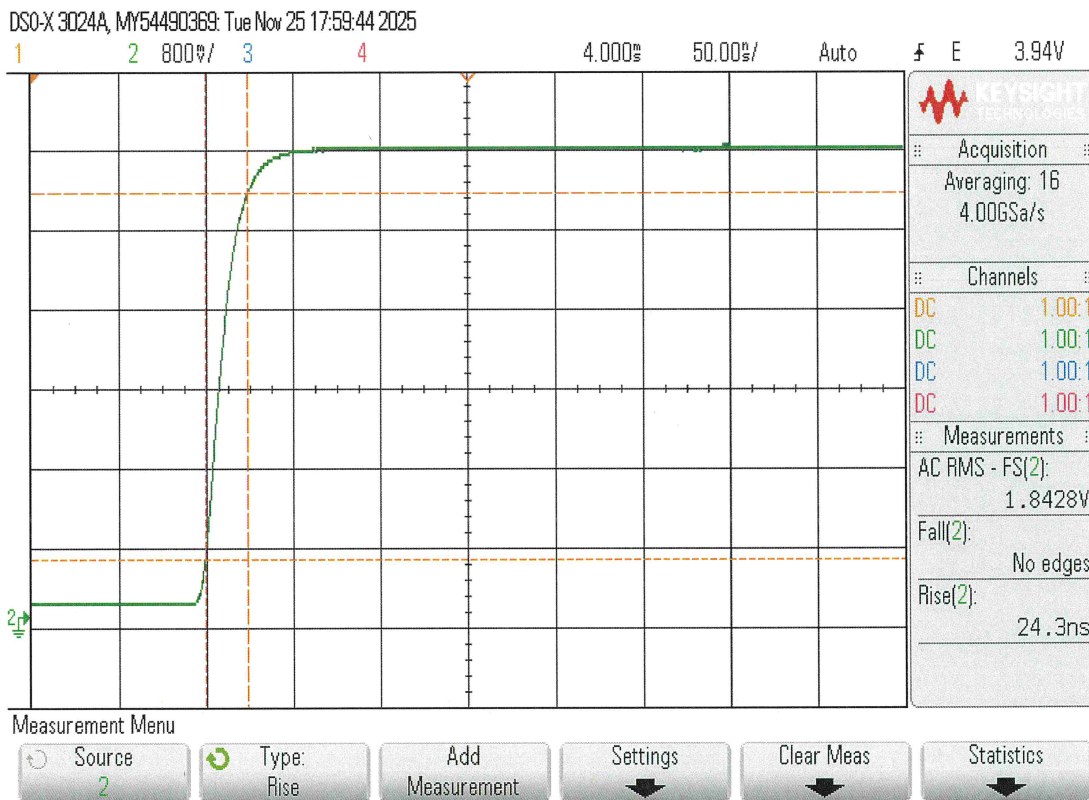
241	Max
199	Min



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

Serial No: PL55709/2548

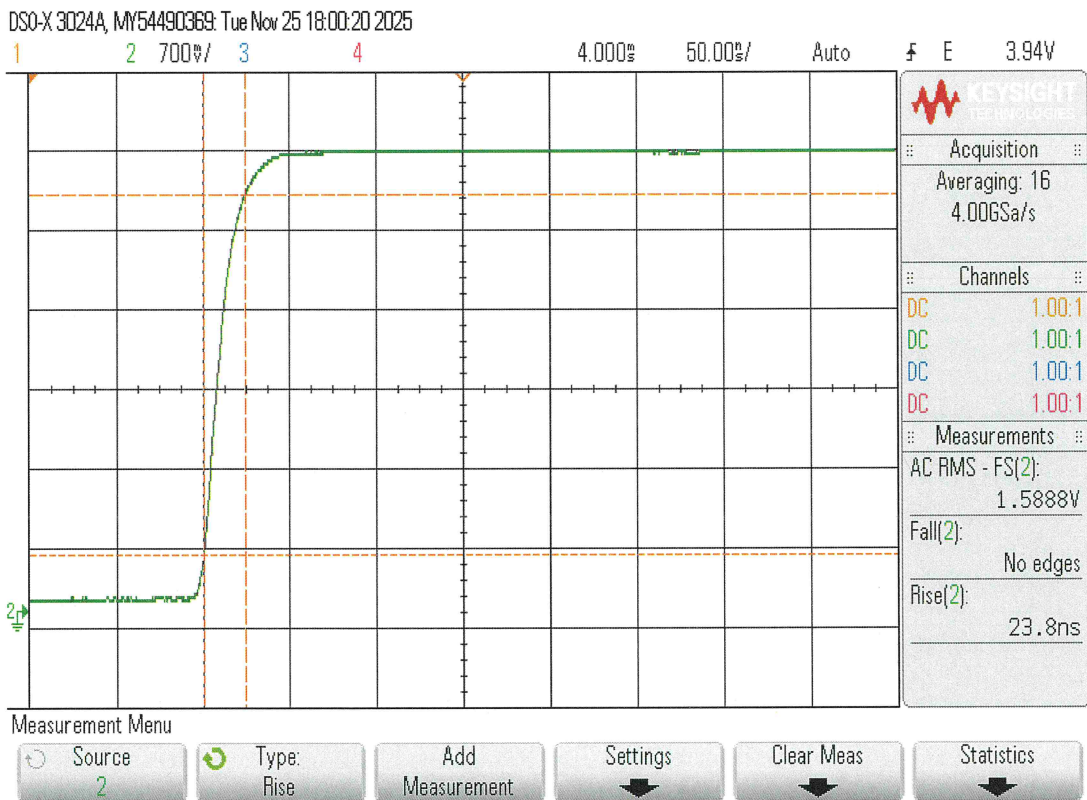
RISE TIME/SETTING TIME @ 0dBm



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

Serial No: PL55709/2548

RISE TIME/SETTING TIME @ -10dBm



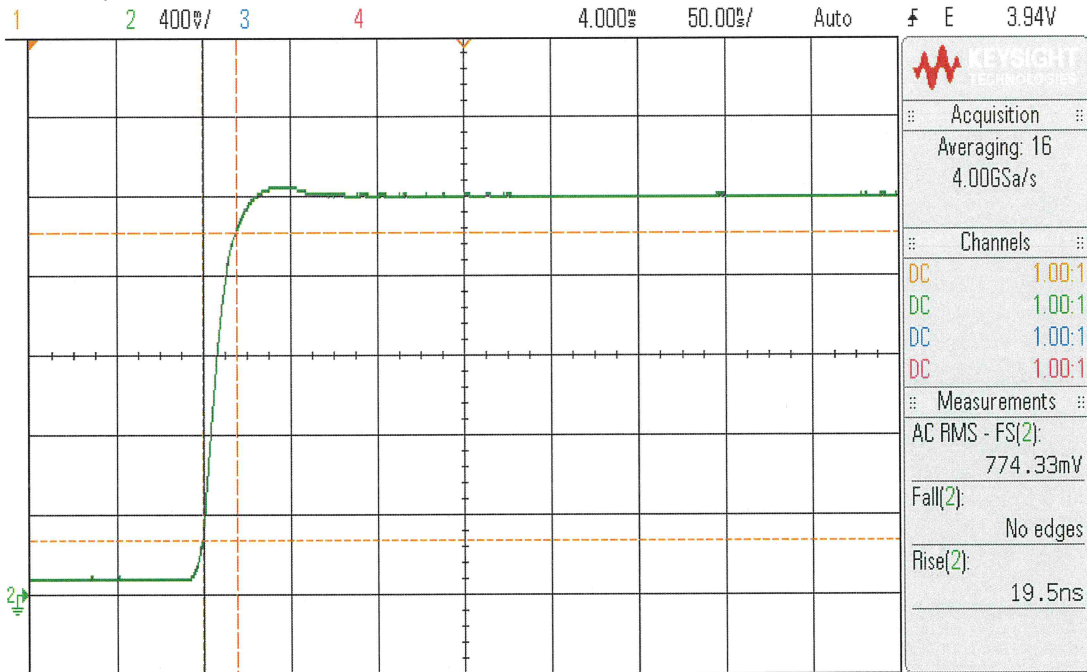
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
 Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

RISE TIME/SETTING TIME @ -40dBm

DSO-X 3024A, MY54490369, Tue Nov 25 18:00:56 2025



Measurement Menu

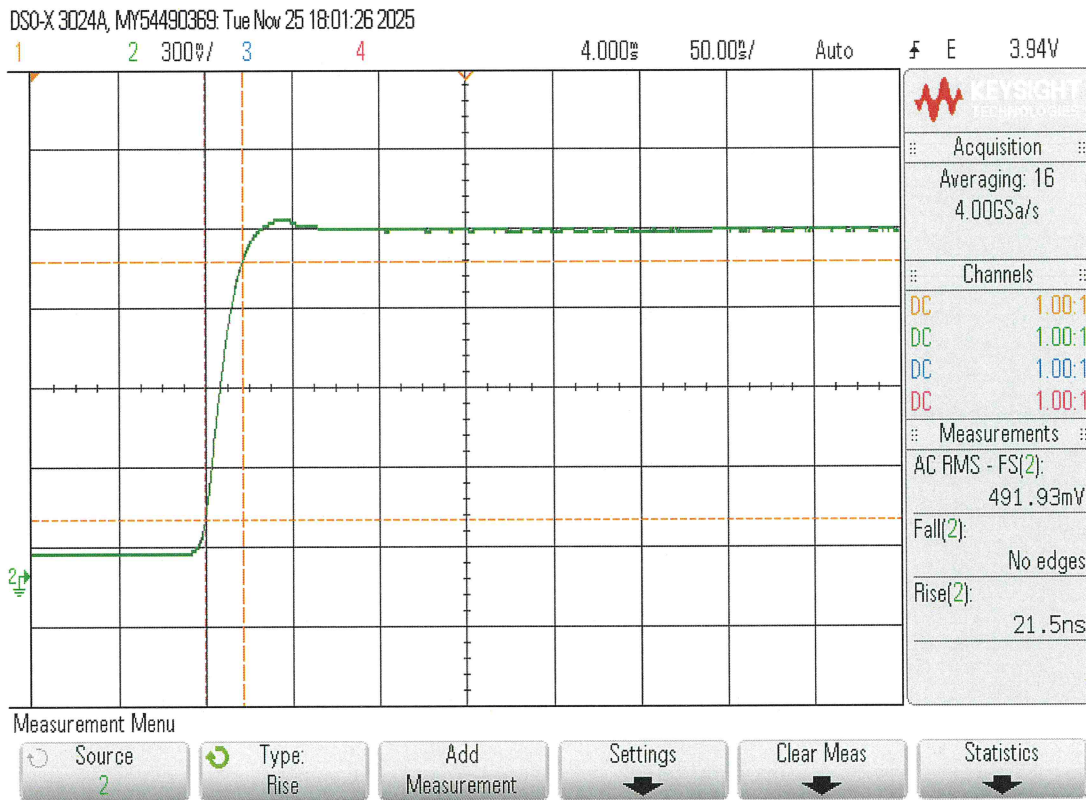
Source 2 Type: Rise Add Measurement Settings Clear Meas Statistics

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: PL55709/2548

RISE TIME/SETTING TIME @ -50dBm



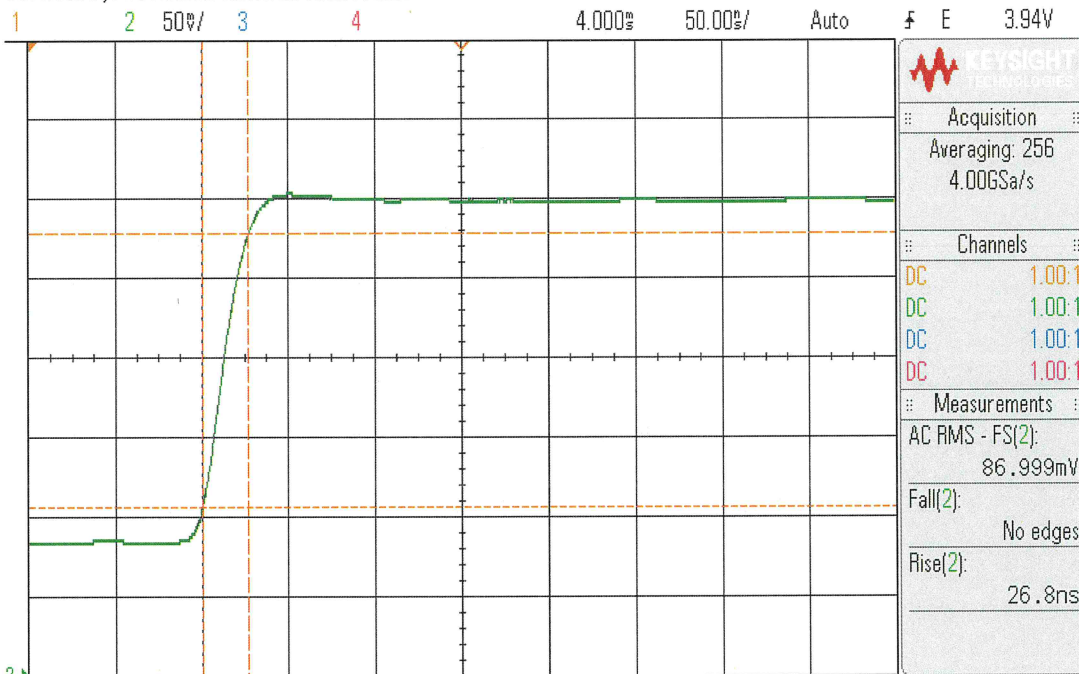
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

RISE TIME/SETTING TIME @ -65dBm

DSO-X 3024A, MY54490369, Tue Nov 25 18:02:14 2025



Acquire Menu

Acq Mode
Averaging

Avgs
256

Segmented

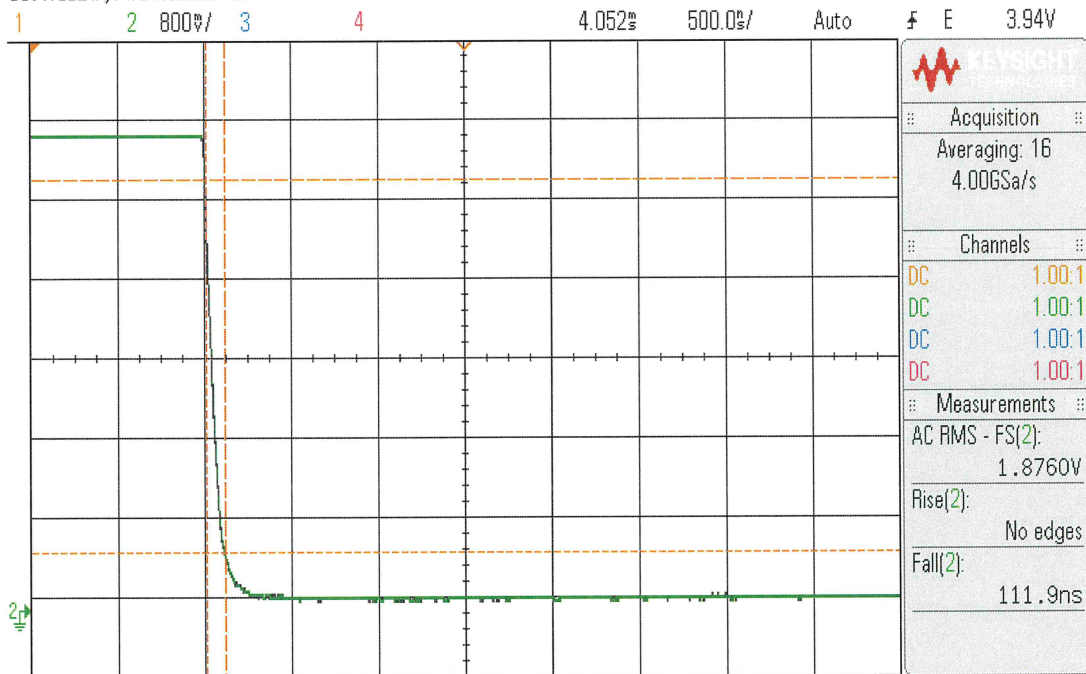
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

RECOVERY TIME @ 0dBm

DSO-X 3024A, MY54490369, Tue Nov 25 17:57:27 2025



Measurement Menu

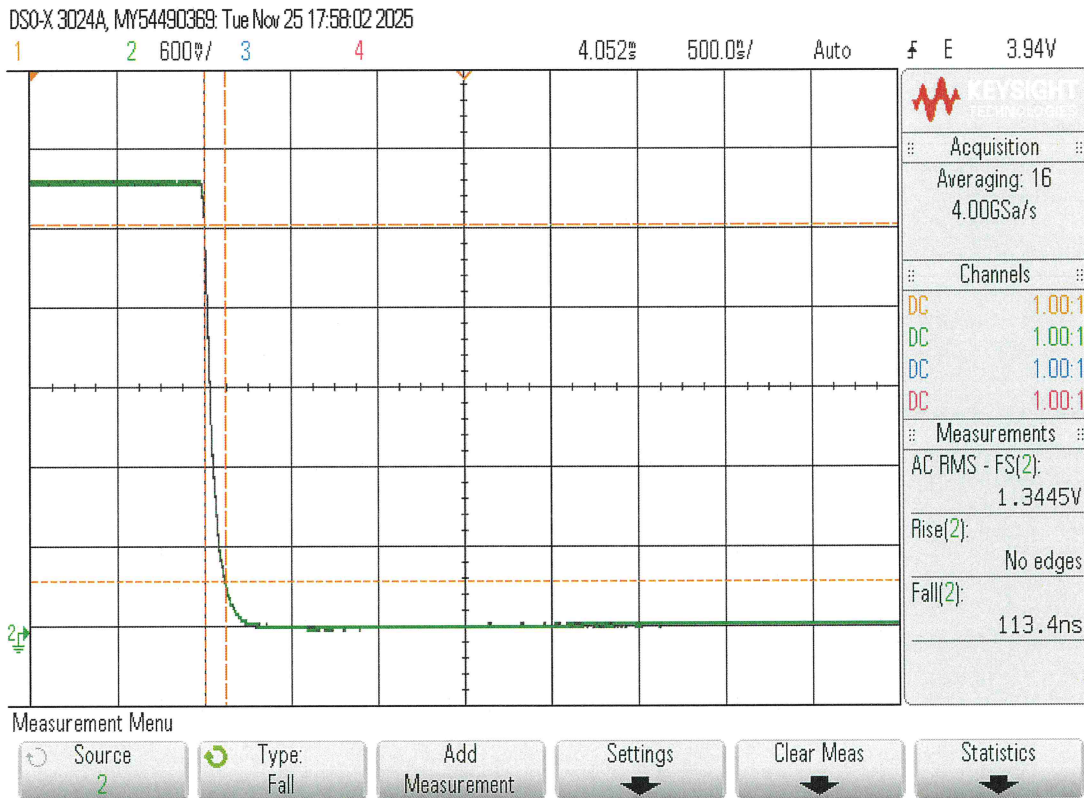
Source 2 Type: Fall Add Measurement Settings Clear Meas Statistics

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: PL55709/2548

RECOVERY TIME @ -20dBm

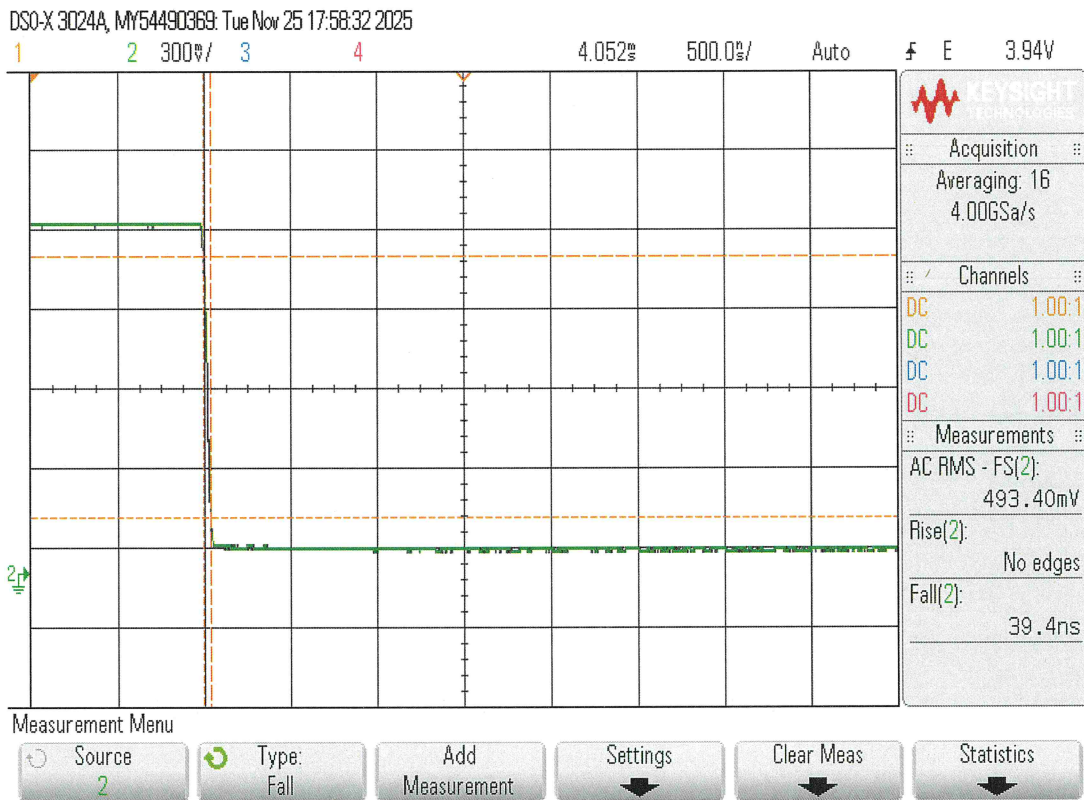


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

RECOVERY TIME @ -50dBm

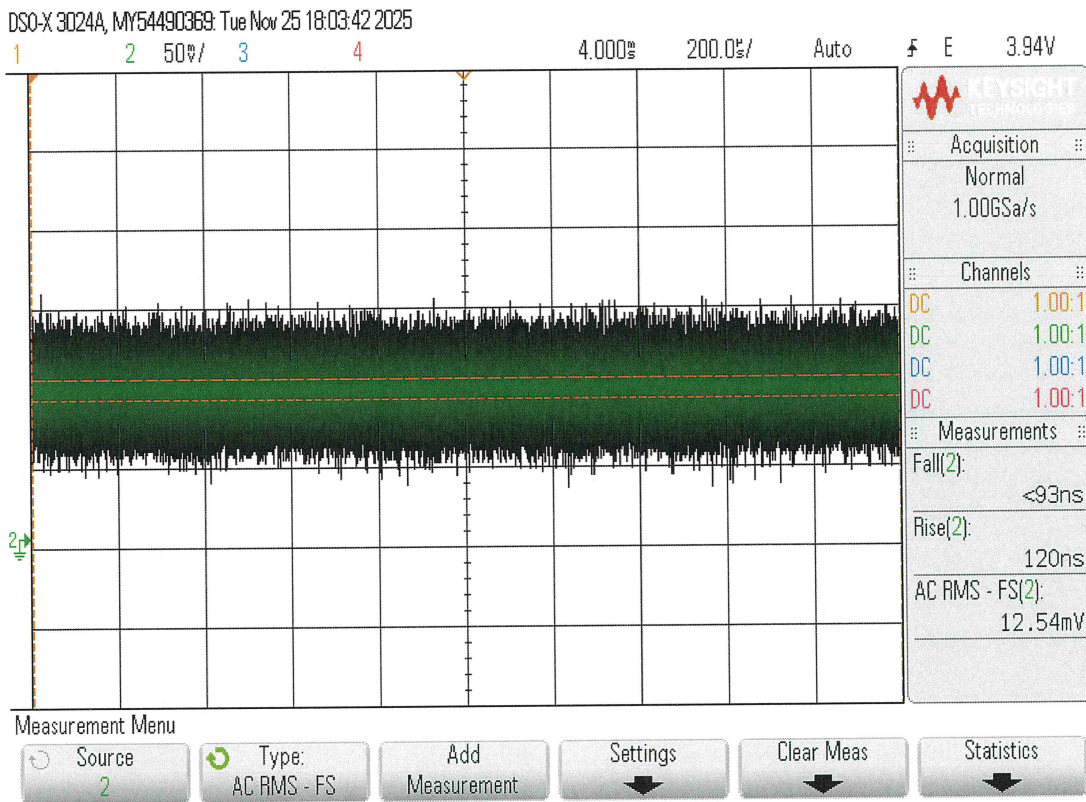


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

RMS NOISE



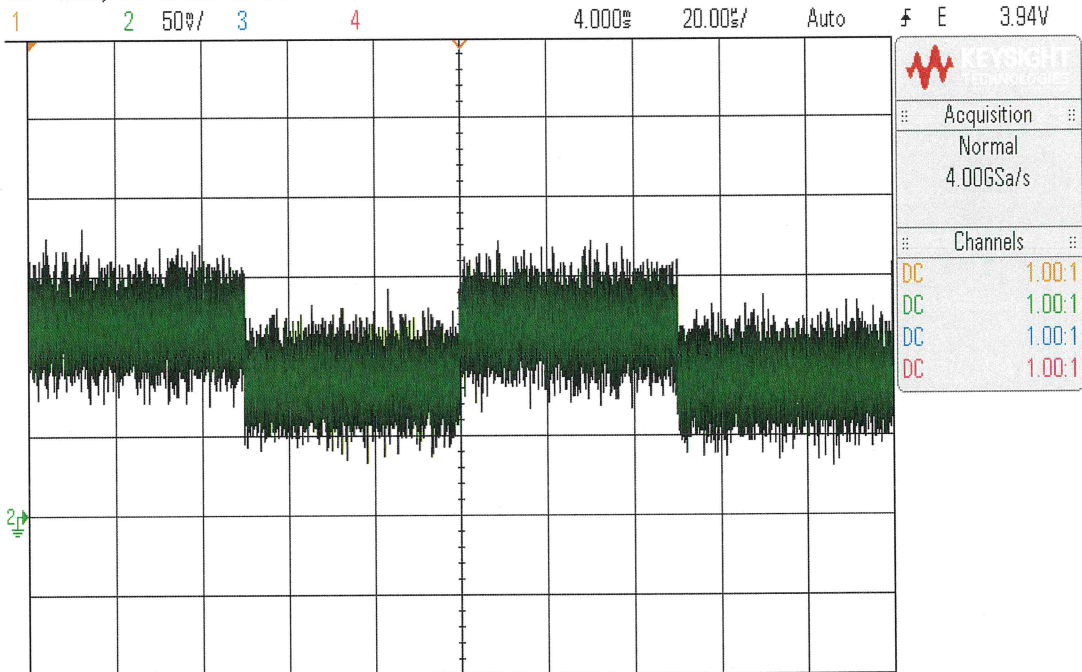
7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

TSS

DSO-X 3024A, MY54490369, Tue Nov 25 18:02:56 2025



Cursors Menu

Mode
Off

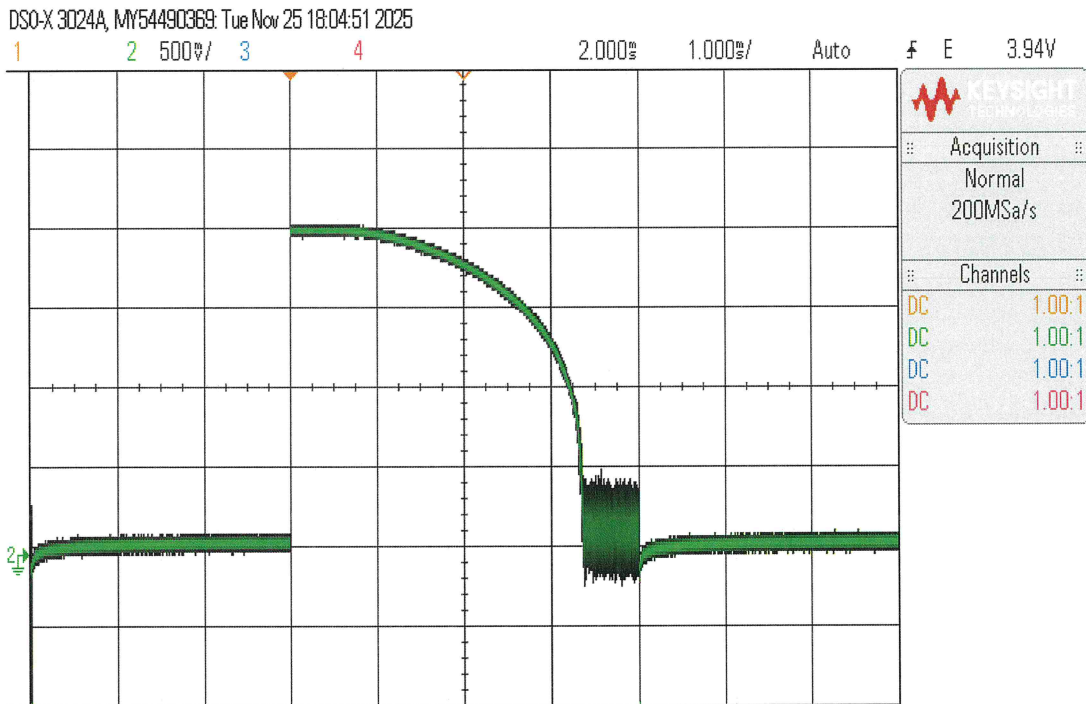
To turn on cursors, press the [Cursors] key on the front panel.

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Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

CW IMMUNITY TIME



Cursors Menu

Mode
Off

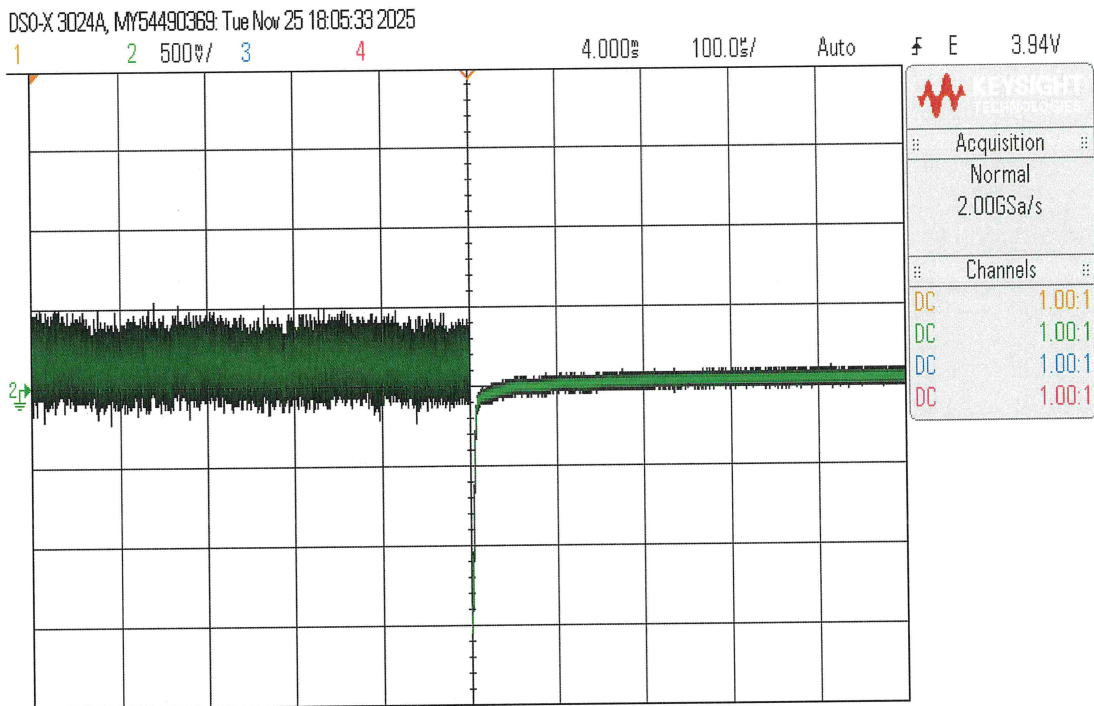
To turn on cursors, press the [Cursors] key on the front panel.

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Email: sales@quanticpmi.com

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

Serial No: PL55709/2548

CW RECOVERY TIME



Cursors Menu

Mode Off

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

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Email: sales@quanticpmi.com