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

Customer: [redacted]
SO No: [redacted]
Model No: ERDLVA-8G18G-65-70MV-2
Serial No: PL55700/2548

Tested By: Jim Hopson
Temperature: +25°C (Unless Otherwise Specified)
Date 11/29/2025
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**	PMI QA3
2	Input VSWR:	2.3:1 Max	**2.17:1**	
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**	

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ERDLVA-8G18G-65-70MV-2

Serial No: PL55700/2548

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	**69.25/70.09mV/dB**	
9	Log Linearity:	±1.0 dB Max	**+.54/-.54dB**	
10	Log Accuracy @ 25°C:	±1.75 dB Max	**+1.15/-1.05dB**	
11	Absolute Log Accuracy:	±2.0 dB Max	**+1.40/-1.34dB**	
12	DC Offset:	±70 mV	**+31mV**	
13	Rise Time:	28 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	**27.3ns**	
14	Fall Time:	300 ns Max (10% to 90% @ -50 to 0 dBm, 10% to 90% Full Dynamic Range Guaranteed)	**130ns**	
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	**±.80 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: PL55700/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	**201/268mV**	PMI QA3
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	**14.16mV**	
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. Klamm **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: PL55700-RF

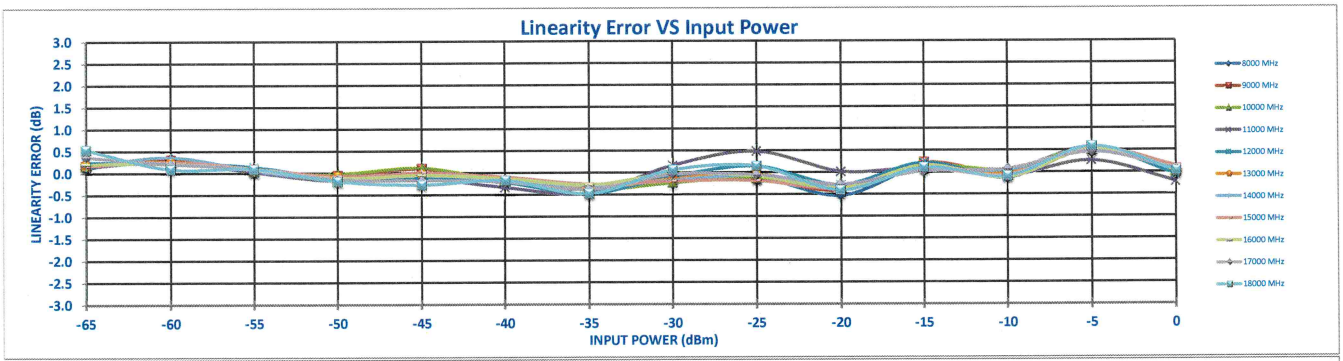
Test Temp: +25C

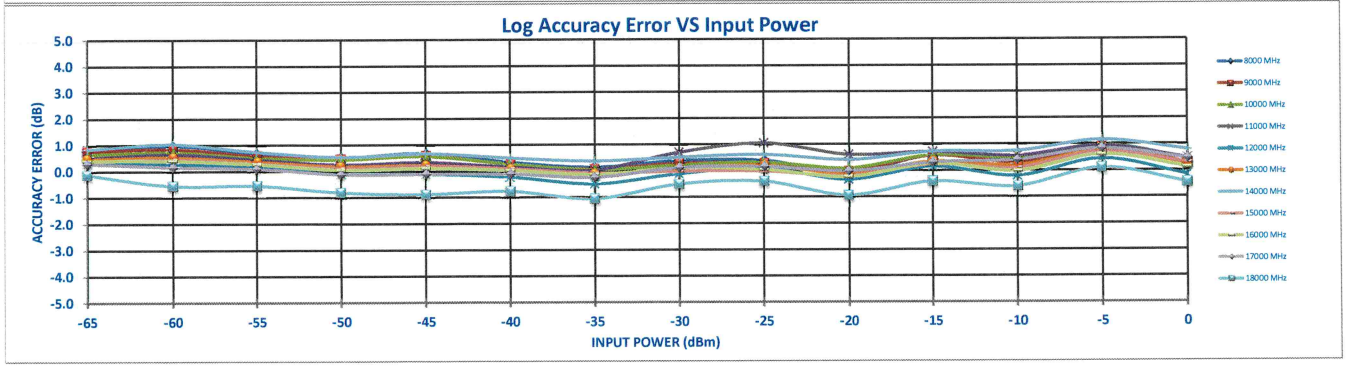
PLANAR MONOLITHICS INDUSTRIES
4921 Robert J. Mathews Parkway STE 1
TEL: 916-542-1401 FAX: 301-662-1731
EMAIL: SALES@PMI-RF.COM
ISO 9001:2000 CERTIFIED

DC Offset= 0.031

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4758.8	264	626	953	1290	1649	1973	2307	2672	3020	3336	3729	4067	4452	4763	Measured Value (mV)
	SLOPE (mV/dB)	69.28	8	24	5	-5	8	-15	-27	-8	-7	-37	9	1	40	4	Error (mV)
			0.12	0.35	0.07	-0.07	0.11	-0.21	-0.39	-0.12	-0.10	-0.54	0.14	0.01	0.57	0.06	LINEARITY ERROR (dB)
			0.78	0.98	0.68	0.52	0.68	0.34	0.14	0.38	0.39	-0.07	0.58	0.43	0.97	0.44	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4752	262	617	946	1285	1642	1968	2302	2665	3011	3338	3728	4058	4444	4752	Measured Value (mV)
	SLOPE (mV/dB)	69.25	11	20	3	-4	6	-14	-26	-9	-10	-29	15	-1	38	0	Error (mV)
			0.16	0.29	0.04	-0.06	0.09	-0.20	-0.38	-0.14	-0.14	-0.42	0.21	-0.02	0.55	0.00	LINEARITY ERROR (dB)
			0.75	0.85	0.58	0.45	0.58	0.27	0.07	0.28	0.26	-0.04	0.56	0.30	0.85	0.28	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4762.4	254	608	941	1284	1641	1968	2301	2660	3015	3347	3729	4071	4451	4763	Measured Value (mV)
	SLOPE (mV/dB)	69.54	12	18	3	-1	8	-13	-28	-16	-9	-25	10	4	36	1	Error (mV)
			0.17	0.26	0.05	-0.02	0.11	-0.18	-0.40	-0.23	-0.13	-0.35	0.14	0.06	0.52	0.01	LINEARITY ERROR (dB)
			0.63	0.72	0.51	0.44	0.57	0.27	0.05	0.21	0.31	0.09	0.58	0.49	0.95	0.44	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4780.5	245	603	936	1271	1625	1960	2300	2694	3066	3383	3738	4075	4449	4765	Measured Value (mV)
	SLOPE (mV/dB)	69.93	10	18	2	-13	-9	-23	-33	11	34	1	6	-6	18	-16	Error (mV)
			0.14	0.26	0.02	-0.19	-0.13	-0.33	-0.47	0.16	0.48	0.01	0.09	-0.09	0.26	-0.22	LINEARITY ERROR (dB)
			0.50	0.65	0.43	0.25	0.34	0.15	0.04	0.70	1.05	0.60	0.71	0.55	0.92	0.47	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4725	231	577	918	1246	1594	1934	2263	2637	3000	3317	3699	4022	4415	4721	Measured Value (mV)
	SLOPE (mV/dB)	69.40	17	16	10	-9	-8	-15	-33	-6	10	-20	15	-9	37	-4	Error (mV)
			0.24	0.23	0.14	-0.13	-0.12	-0.22	-0.48	-0.09	0.14	-0.29	0.22	-0.13	0.53	-0.06	LINEARITY ERROR (dB)
			0.30	0.27	0.18	-0.11	-0.11	-0.22	-0.49	-0.12	0.10	-0.35	0.14	-0.21	0.43	-0.17	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4747.4	242	595	931	1266	1617	1955	2290	2652	3007	3332	3712	4050	4436	4750	Measured Value (mV)
	SLOPE (mV/dB)	69.51	13	18	7	-6	-2	-12	-24	-10	-3	-25	7	-2	36	3	Error (mV)
			0.19	0.26	0.10	-0.08	-0.03	-0.17	-0.35	-0.14	-0.04	-0.36	0.11	-0.03	0.52	0.04	LINEARITY ERROR (dB)
			0.46	0.53	0.36	0.18	0.22	0.08	-0.11	0.10	0.20	-0.13	0.33	0.19	0.74	0.25	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4781.4	268	630	957	1291	1648	1984	2324	2681	3036	3369	3739	4088	4465	4787	Measured Value (mV)
	SLOPE (mV/dB)	69.61	11	25	4	-10	-1	-13	-21	-12	-5	-20	2	3	32	6	Error (mV)
			0.16	0.36	0.06	-0.14	-0.01	-0.19	-0.30	-0.17	-0.07	-0.29	0.02	0.04	0.45	0.08	LINEARITY ERROR (dB)
			0.83	1.04	0.74	0.54	0.67	0.50	0.38	0.51	0.62	0.40	0.72	0.74	1.15	0.78	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4743.6	236	590	927	1262	1615	1956	2292	2644	2992	3327	3705	4043	4434	4753	Measured Value (mV)
	SLOPE (mV/dB)	69.53	12	18	7	-5	0	-7	-18	-14	-13	-26	4	-5	38	9	Error (mV)
			0.17	0.26	0.11	-0.08	0.00	-0.09	-0.26	-0.20	-0.19	-0.37	0.06	-0.08	0.55	0.14	LINEARITY ERROR (dB)
			0.37	0.46	0.30	0.12	0.19	0.09	-0.08	-0.02	-0.02	-0.20	0.23	0.09	0.71	0.29	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4738.3	238	586	924	1257	1609	1951	2288	2653	2996	3324	3707	4035	4426	4741	Measured Value (mV)
	SLOPE (mV/dB)	69.45	14	15	6	-9	-4	-9	-19	-2	-6	-25	11	-9	35	3	Error (mV)
			0.20	0.21	0.08	-0.12	-0.06	-0.13	-0.28	-0.02	-0.09	-0.36	0.15	-0.13	0.50	0.04	LINEARITY ERROR (dB)
			0.40	0.40	0.26	0.05	0.11	0.02	-0.13	0.11	0.04	-0.25	0.26	-0.03	0.59	0.12	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4760	230	569	912	1245	1594	1942	2280	2654	3004	3339	3710	4064	4442	4764	Measured Value (mV)
	SLOPE (mV/dB)	70.09	26	14	7	-11	-12	-14	-27	-3	-4	-19	1	5	32	4	Error (mV)
			0.37	0.21	0.10	-0.15	-0.17	-0.21	-0.38	-0.05	-0.05	-0.27	0.02	0.07	0.46	0.06	LINEARITY ERROR (dB)
			0.29	0.16	0.09	-0.12	-0.11	-0.11	-0.25	0.13	0.16	-0.03	0.30	0.39	0.82	0.45	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4699.3	201	519	868	1197	1540	1896	2224	2610	2965	3275	3660	3995	4391	4701	Measured Value (mV)
	SLOPE (mV/dB)	69.78	37	6	6	-13	-19	-12	-33	4	10	-29	7	-7	41	2	Error (mV)
			0.53	0.09	0.09	-0.19	-0.28	-0.18	-0.47	0.06	0.14	-0.41	0.10	-0.09	0.58	0.02	LINEARITY ERROR (dB)
			-0.13	-0.56	-0.54	-0.81	-0.89	-0.77	-1.05	-0.51	-0.40	-0.95	-0.42	-0.60	0.09	-0.45	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.48	0.80	0.64	0.68	0.78	0.63	0.72	0.60	0.73	0.78	0.57	0.67	0.53	0.62	

-65dBm mV-Out	
268	Max
201	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55700-BIT

Test Temp: +25C

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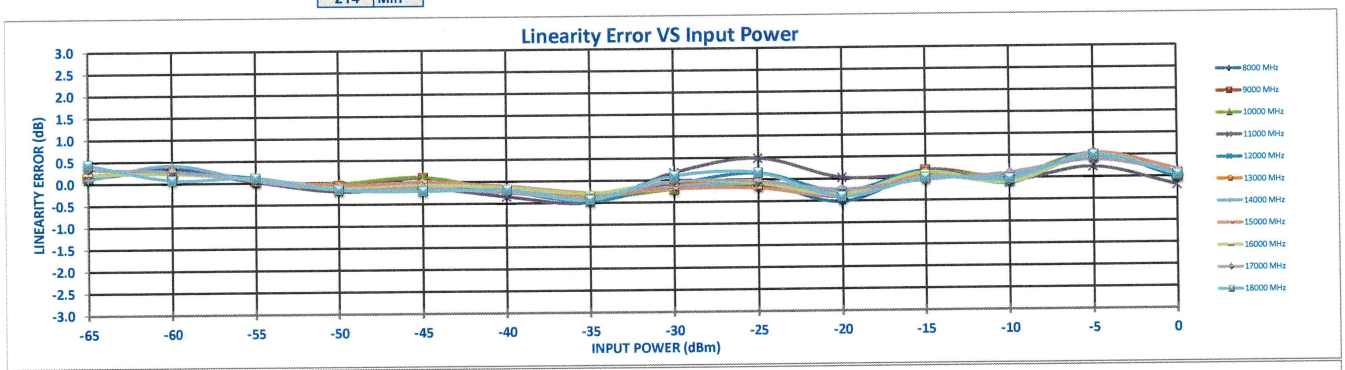
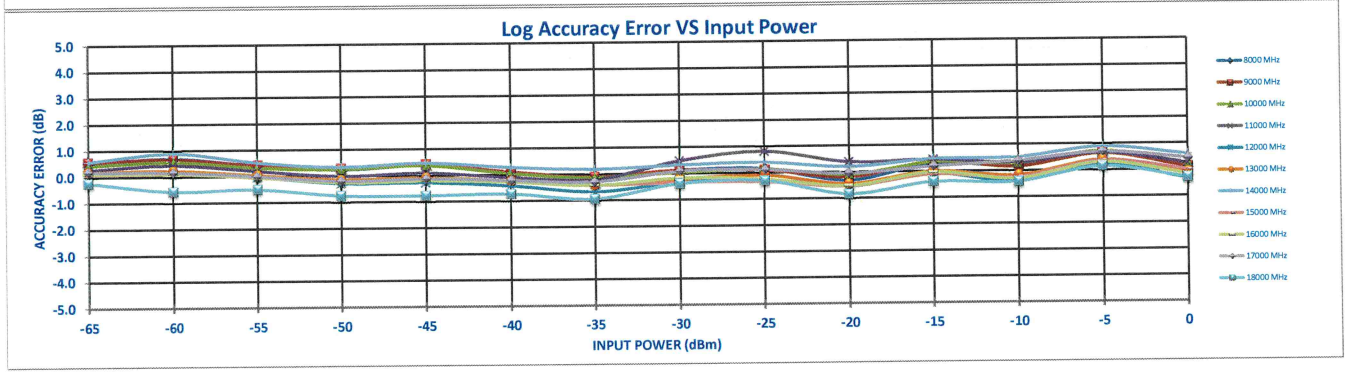
ISO 9001:2000 CERTIFIED

DC Offset= 0.031

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4764.3	266	627	954	1291	1650	1976	2310	2676	3026	3341	3733	4073	4455	4768	Measured Value (mV)
	SLOPE (mV/dB)	69.35	9	24	4	-6	6	-14	-27	-8	-5	-36	9	2	37	4	Error (mV)
			0.14	0.34	0.06	-0.08	0.09	-0.21	-0.39	-0.11	-0.07	-0.52	0.13	0.03	0.54	0.05	LINEARITY ERROR (dB)
			0.52	0.70	0.40	0.24	0.39	0.07	-0.13	0.13	0.15	-0.33	0.30	0.19	0.67	0.17	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4763.5	269	625	956	1294	1652	1978	2312	2676	3022	3350	3737	4071	4452	4764	Measured Value (mV)
	SLOPE (mV/dB)	69.30	10	19	4	-5	7	-14	-26	-9	-9	-28	13	0	35	1	Error (mV)
			0.14	0.28	0.06	-0.07	0.10	-0.20	-0.38	-0.12	-0.13	-0.40	0.19	0.01	0.51	0.01	LINEARITY ERROR (dB)
			0.56	0.67	0.43	0.28	0.42	0.10	-0.10	0.13	0.09	-0.20	0.36	0.16	0.63	0.11	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4771.5	260	617	949	1292	1649	1974	2309	2670	3025	3357	3736	4080	4458	4773	Measured Value (mV)
	SLOPE (mV/dB)	69.57	10	19	4	-1	8	-15	-28	-15	-7	-23	8	4	34	1	Error (mV)
			0.15	0.28	0.05	-0.02	0.11	-0.21	-0.40	-0.21	-0.11	-0.33	0.11	0.06	0.49	0.02	LINEARITY ERROR (dB)
			0.43	0.56	0.33	0.25	0.38	0.04	-0.14	0.04	0.14	-0.10	0.35	0.29	0.72	0.24	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4787.5	249	609	941	1274	1629	1964	2304	2700	3072	3390	3743	4082	4454	4774	Measured Value (mV)
	SLOPE (mV/dB)	69.98	10	20	2	-15	-10	-24	-34	12	34	2	5	-6	16	-13	Error (mV)
			0.14	0.29	0.03	-0.21	-0.14	-0.35	-0.49	0.17	0.49	0.03	0.07	-0.08	0.23	-0.19	LINEARITY ERROR (dB)
			0.27	0.44	0.21	-0.01	0.09	-0.10	-0.22	0.47	0.81	0.38	0.45	0.32	0.66	0.25	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4734.7	236	588	925	1255	1604	1942	2272	2645	3009	3326	3706	4032	4423	4733	Measured Value (mV)
	SLOPE (mV/dB)	69.43	14	19	9	-8	-6	-16	-33	-7	10	-20	13	-8	35	-2	Error (mV)
			0.20	0.27	0.13	-0.12	-0.09	-0.22	-0.47	-0.10	0.14	-0.29	0.18	-0.12	0.51	-0.02	LINEARITY ERROR (dB)
			0.09	0.14	-0.02	-0.28	-0.27	-0.42	-0.68	-0.32	-0.09	-0.54	-0.08	-0.40	0.21	-0.34	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4747.1	243	594	930	1265	1617	1955	2289	2652	3008	3332	3712	4048	4435	4751	Measured Value (mV)
	SLOPE (mV/dB)	69.51	14	18	6	-6	-2	-12	-25	-10	-1	-25	8	-4	35	4	Error (mV)
			0.21	0.25	0.09	-0.09	-0.03	-0.17	-0.36	-0.14	-0.02	-0.36	0.11	-0.06	0.51	0.06	LINEARITY ERROR (dB)
			0.19	0.23	0.05	-0.14	-0.08	-0.23	-0.43	-0.22	-0.11	-0.45	0.00	-0.17	0.39	-0.08	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4789.4	270	640	963	1298	1656	1990	2332	2689	3043	3377	3745	4096	4470	4797	Measured Value (mV)
	SLOPE (mV/dB)	69.64	7	29	4	-9	0	-14	-20	-11	-5	-20	0	3	29	8	Error (mV)
			0.10	0.42	0.05	-0.14	0.00	-0.20	-0.29	-0.16	-0.08	-0.28	0.00	0.04	0.41	0.11	LINEARITY ERROR (dB)
			0.57	0.89	0.53	0.34	0.48	0.27	0.19	0.31	0.40	0.19	0.48	0.52	0.89	0.58	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4744.2	236	586	924	1261	1613	1954	2290	2643	2991	3326	3704	4043	4434	4756	Measured Value (mV)
	SLOPE (mV/dB)	69.58	14	16	7	-4	0	-7	-19	-14	-14	-27	3	-5	38	12	Error (mV)
			0.21	0.24	0.09	-0.06	0.00	-0.10	-0.27	-0.20	-0.20	-0.38	0.05	-0.08	0.54	0.17	LINEARITY ERROR (dB)
			0.09	0.11	-0.03	-0.19	-0.14	-0.24	-0.42	-0.35	-0.35	-0.54	-0.11	-0.24	0.37	-0.01	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4741.9	238	587	925	1257	1609	1952	2289	2655	2998	3327	3709	4039	4429	4745	Measured Value (mV)
	SLOPE (mV/dB)	69.51	14	16	6	-9	-5	-9	-20	-2	-6	-25	10	-8	35	3	Error (mV)
			0.21	0.23	0.09	-0.13	-0.07	-0.14	-0.29	-0.02	-0.09	-0.35	0.14	-0.11	0.50	0.04	LINEARITY ERROR (dB)
			0.11	0.13	-0.02	-0.25	-0.20	-0.27	-0.43	-0.18	-0.25	-0.53	-0.04	-0.30	0.30	-0.16	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4779.9	243	590	927	1261	1614	1956	2298	2673	3023	3360	3725	4086	4457	4787	Measured Value (mV)
	SLOPE (mV/dB)	70.15	23	19	5	-11	-9	-18	-27	-2	-3	-17	-3	8	28	7	Error (mV)
			0.33	0.27	0.08	-0.16	-0.13	-0.25	-0.38	-0.03	-0.04	-0.24	-0.04	0.11	0.40	0.10	LINEARITY ERROR (dB)
			0.19	0.17	0.01	-0.19	-0.13	-0.21	-0.30	0.08	0.11	-0.05	0.19	0.37	0.70	0.44	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4733.1	214	539	892	1222	1569	1920	2253	2640	2994	3305	3684	4031	4418	4736	Measured Value (mV)
	SLOPE (mV/dB)	69.99	30	5	8	-12	-14	-13	-30	7	11	-28	1	-2	35	3	Error (mV)
			0.43	0.08	0.12	-0.16	-0.21	-0.19	-0.43	0.10	0.15	-0.40	0.01	-0.03	0.50	0.04	LINEARITY ERROR (dB)
			-0.23	-0.56	-0.49	-0.75	-0.77	-0.73	-0.95	-0.39	-0.31	-0.84	-0.40	-0.42	0.14	-0.29	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.40	0.73	0.51	0.55	0.62	0.50	0.57	0.43	0.58	0.61	0.44	0.47	0.37	0.46	

-65dBm mV-Out	
270	Max
214	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55700-RF

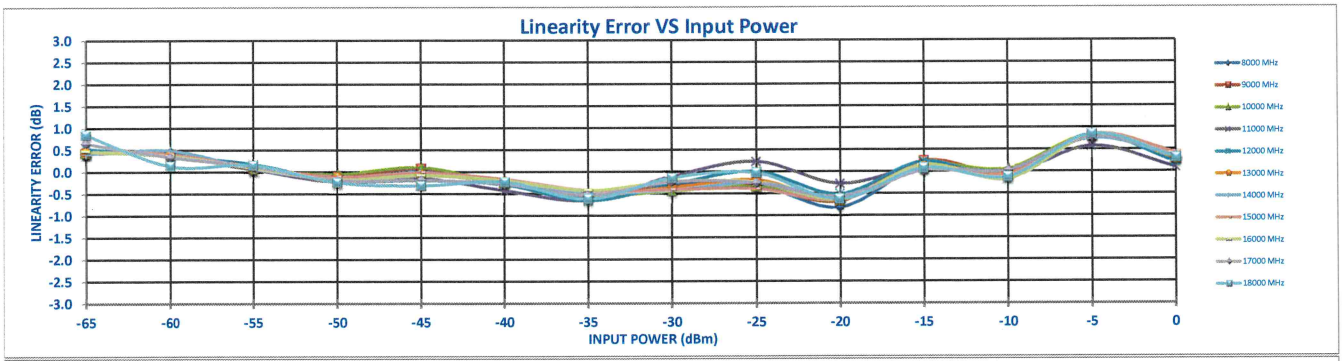
Test Temp: -10C

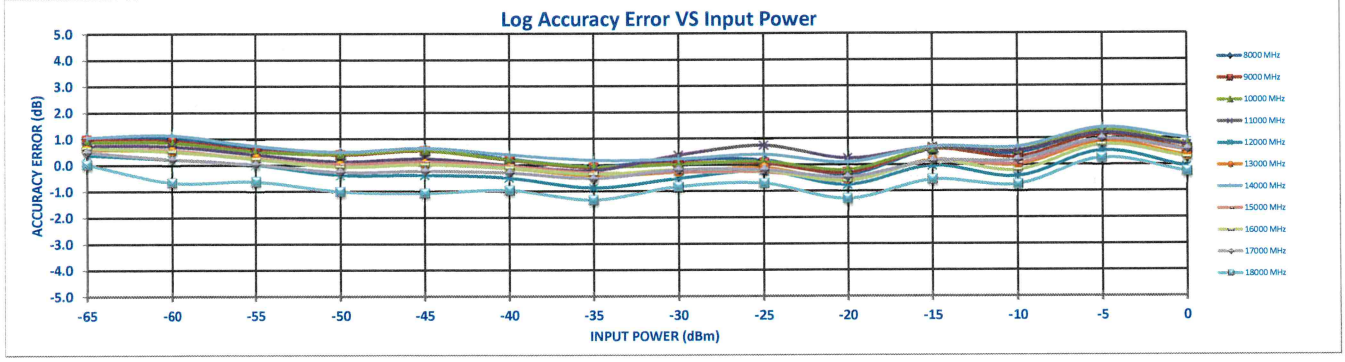
PLANAR MONOLITHICS INDUSTRIES
4921 Robert J. Mathews Parkway STE 1
TEL: 916-542-1401 FAX: 301-662-1731
EMAIL: SALES@PMI-RF.COM
ISO 9001:2000 CERTIFIED

DC Offset= 0.040

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4795	276	629	952	1290	1651	1976	2307	2675	3025	3338	3755	4096	4504	4819	Measured Value (mV)
	SLOPE (mV/dB)	69.97	29	32	5	-6	5	-20	-39	-21	-21	-58	10	1	59	24	Error (mV)
			0.42	0.46	0.08	-0.09	0.07	-0.29	-0.56	-0.30	-0.30	-0.82	0.14	0.01	0.84	0.34	LINEARITY ERROR (dB)
			1.01	1.04	0.64	0.46	0.60	0.23	-0.05	0.19	0.18	-0.36	0.58	0.43	1.25	0.73	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4788.3	273	621	947	1285	1647	1973	2303	2667	3016	3342	3756	4086	4496	4807	Measured Value (mV)
	SLOPE (mV/dB)	69.93	30	28	5	-7	5	-18	-38	-23	-24	-48	17	-3	57	19	Error (mV)
			0.43	0.41	0.07	-0.10	0.08	-0.26	-0.54	-0.34	-0.34	-0.68	0.24	-0.04	0.82	0.27	LINEARITY ERROR (dB)
			0.97	0.93	0.57	0.39	0.54	0.19	-0.11	0.08	0.05	-0.31	0.59	0.29	1.13	0.56	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4801.2	267	616	943	1287	1648	1974	2305	2663	3021	3350	3757	4103	4508	4822	Measured Value (mV)
	SLOPE (mV/dB)	70.23	31	28	4	-3	7	-18	-38	-31	-25	-47	9	4	58	21	Error (mV)
			0.43	0.40	0.06	-0.04	0.10	-0.26	-0.55	-0.45	-0.35	-0.66	0.13	0.06	0.82	0.30	LINEARITY ERROR (dB)
			0.88	0.86	0.51	0.41	0.56	0.20	-0.08	0.02	0.12	-0.19	0.60	0.53	1.30	0.78	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4812.6	257	606	935	1267	1626	1959	2296	2687	3064	3381	3761	4102	4500	4819	Measured Value (mV)
	SLOPE (mV/dB)	70.59	32	29	5	-16	-10	-30	-46	-8	16	-20	7	-5	40	6	Error (mV)
			0.46	0.40	0.07	-0.23	-0.15	-0.43	-0.65	-0.11	0.23	-0.28	0.10	-0.07	0.57	0.09	LINEARITY ERROR (dB)
			0.74	0.71	0.40	0.13	0.24	-0.01	-0.21	0.36	0.73	0.25	0.66	0.52	1.19	0.73	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4746.5	232	571	908	1231	1582	1925	2249	2625	2996	3310	3712	4034	4453	4761	Measured Value (mV)
	SLOPE (mV/dB)	70.03	37	26	13	-14	-13	-20	-47	-21	0	-36	16	-12	57	15	Error (mV)
			0.53	0.37	0.18	-0.20	-0.19	-0.29	-0.67	-0.30	0.00	-0.51	0.23	-0.17	0.81	0.21	LINEARITY ERROR (dB)
			0.38	0.21	0.02	-0.38	-0.38	-0.50	-0.88	-0.52	-0.24	-0.76	-0.04	-0.45	0.52	-0.09	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4769.6	247	593	925	1258	1612	1951	2281	2642	3004	3324	3726	4065	4477	4790	Measured Value (mV)
	SLOPE (mV/dB)	70.07	32	27	9	-8	-5	-16	-36	-26	-14	-44	7	-4	58	20	Error (mV)
			0.45	0.39	0.13	-0.12	-0.07	-0.23	-0.52	-0.37	-0.20	-0.63	0.10	-0.06	0.82	0.29	LINEARITY ERROR (dB)
			0.60	0.53	0.26	0.00	0.05	-0.13	-0.42	-0.28	-0.12	-0.56	0.16	-0.01	0.86	0.32	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4813.2	279	636	958	1293	1654	1987	2323	2677	3040	3370	3763	4113	4515	4837	Measured Value (mV)
	SLOPE (mV/dB)	70.20	29	35	6	-10	0	-18	-33	-30	-18	-39	3	2	53	24	Error (mV)
			0.41	0.49	0.08	-0.15	0.00	-0.26	-0.47	-0.43	-0.26	-0.56	0.04	0.02	0.75	0.34	LINEARITY ERROR (dB)
			1.05	1.14	0.73	0.50	0.64	0.39	0.17	0.22	0.39	0.09	0.69	0.68	1.40	0.99	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4774.1	248	595	924	1260	1617	1957	2289	2641	2993	3326	3724	4068	4483	4804	Measured Value (mV)
	SLOPE (mV/dB)	70.13	32	29	7	-8	-1	-12	-31	-29	-28	-46	2	-5	60	30	Error (mV)
			0.46	0.41	0.10	-0.11	-0.02	-0.17	-0.44	-0.42	-0.40	-0.65	0.03	-0.07	0.85	0.43	LINEARITY ERROR (dB)
			0.61	0.56	0.24	0.03	0.12	-0.04	-0.31	-0.29	-0.28	-0.54	0.13	0.04	0.95	0.52	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4763.1	250	592	923	1253	1610	1951	2285	2649	2997	3320	3724	4051	4469	4786	Measured Value (mV)
	SLOPE (mV/dB)	69.94	33	25	7	-13	-6	-14	-30	-16	-18	-44	10	-13	56	23	Error (mV)
			0.47	0.36	0.10	-0.19	-0.08	-0.21	-0.43	-0.23	-0.25	-0.63	0.14	-0.18	0.80	0.33	LINEARITY ERROR (dB)
			0.64	0.51	0.23	-0.07	0.02	-0.13	-0.37	-0.18	-0.22	-0.62	0.13	-0.21	0.75	0.26	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4782.5	240	571	909	1239	1593	1939	2274	2648	2999	3330	3725	4078	4485	4807	Measured Value (mV)
	SLOPE (mV/dB)	70.59	46	24	9	-14	-13	-20	-38	-17	-19	-41	1	1	55	25	Error (mV)
			0.65	0.34	0.13	-0.20	-0.18	-0.28	-0.54	-0.24	-0.27	-0.58	0.02	0.02	0.79	0.35	LINEARITY ERROR (dB)
			0.50	0.21	0.03	-0.27	-0.23	-0.30	-0.52	-0.20	-0.19	-0.48	0.15	0.18	0.98	0.56	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4726.5	207	509	863	1187	1534	1892	2217	2603	2963	3273	3675	4013	4434	4748	Measured Value (mV)
	SLOPE (mV/dB)	70.45	60	9	11	-17	-22	-17	-44	-10	-2	-45	5	-9	60	21	Error (mV)
			0.85	0.13	0.16	-0.24	-0.32	-0.24	-0.62	-0.14	-0.03	-0.63	0.07	-0.13	0.85	0.30	LINEARITY ERROR (dB)
			0.03	-0.67	-0.63	-1.01	-1.07	-0.97	-1.34	-0.84	-0.71	-1.29	-0.56	-0.75	0.25	-0.28	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.51	0.90	0.68	0.76	0.85	0.68	0.76	0.60	0.72	0.77	0.63	0.71	0.58	0.63	

-65dBm mV-Out	
279	Max
207	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55700-RF

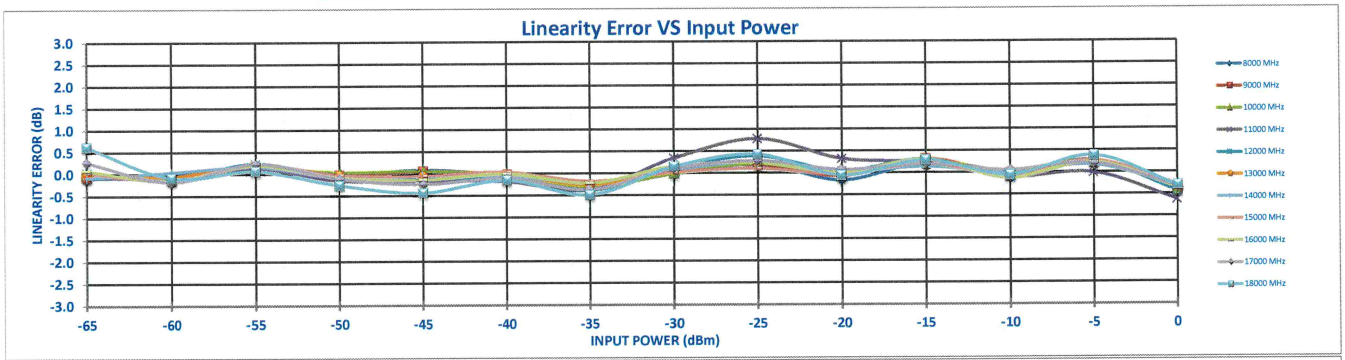
Test Temp: +85C

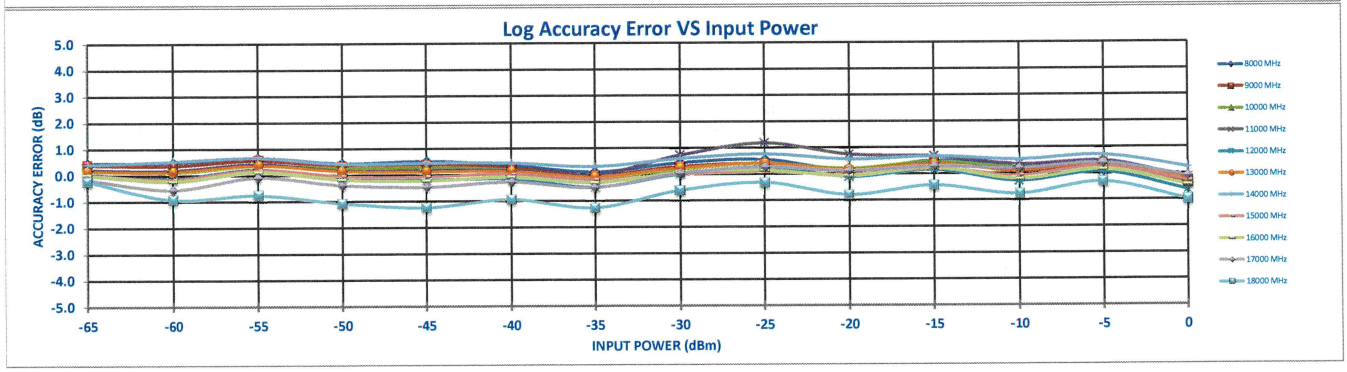
PLANAR MONOLITHICS INDUSTRIES
4921 Robert J. Mathews Parkway STE 1
TEL: 916-542-1401 FAX: 301-662-1731
EMAIL: SALES@PMI-RF.COM
ISO 9001:2000 CERTIFIED

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)	4765.7	247	598	959	1293	1648	1986	2316	2689	3046	3365	3740	4072	4437	4740	Measured Value (mV)
	SLOPE (mV/dB)	69.42	-7	-3	11	-2	6	-3	-20	6	16	-12	16	0	18	-26	Error (mV)
			-0.10	-0.04	0.16	-0.03	0.09	-0.04	-0.29	0.08	0.23	-0.18	0.22	0.01	0.26	-0.37	LINEARITY ERROR (dB)
			0.46	0.49	0.66	0.44	0.52	0.37	0.09	0.43	0.55	0.12	0.49	0.24	0.47	-0.19	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4755.8	242	589	952	1285	1638	1979	2307	2679	3034	3363	3736	4060	4427	4727	Measured Value (mV)
	SLOPE (mV/dB)	69.37	-5	-5	12	-2	4	-2	-21	4	12	-5	21	-2	18	-29	Error (mV)
			-0.07	-0.07	0.17	-0.03	0.06	-0.03	-0.30	0.06	0.18	-0.08	0.30	-0.03	0.26	-0.41	LINEARITY ERROR (dB)
			0.39	0.36	0.56	0.33	0.38	0.27	-0.04	0.29	0.38	0.09	0.43	0.07	0.33	-0.38	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4765.6	231	572	939	1280	1631	1973	2302	2672	3036	3370	3737	4070	4434	4736	Measured Value (mV)
	SLOPE (mV/dB)	69.75	-1	-9	10	2	4	-3	-22	-1	14	-1	18	2	17	-30	Error (mV)
			-0.01	-0.12	0.14	0.03	0.06	-0.04	-0.32	-0.02	0.20	-0.01	0.25	0.03	0.25	-0.42	LINEARITY ERROR (dB)
			0.23	0.11	0.37	0.25	0.28	0.18	-0.11	0.19	0.40	0.19	0.44	0.21	0.43	-0.25	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4787.1	229	577	943	1273	1623	1972	2308	2709	3090	3408	3752	4079	4436	4743	Measured Value (mV)
	SLOPE (mV/dB)	70.06	-4	-6	9	-11	-11	-13	-27	24	54	22	16	-8	-1	-44	Error (mV)
			-0.06	-0.09	0.13	-0.16	-0.16	-0.18	-0.39	0.34	0.78	0.32	0.23	-0.11	-0.01	-0.63	LINEARITY ERROR (dB)
			0.20	0.18	0.43	0.15	0.17	0.17	-0.02	0.72	1.18	0.73	0.66	0.34	0.46	-0.15	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4739	218	556	928	1254	1598	1950	2276	2659	3026	3349	3716	4035	4408	4709	Measured Value (mV)
	SLOPE (mV/dB)	69.59	2	-8	16	-5	-9	-5	-27	8	27	2	21	-8	17	-30	Error (mV)
			0.03	-0.11	0.24	-0.08	-0.14	-0.08	-0.39	0.11	0.38	0.03	0.30	-0.12	0.24	-0.43	LINEARITY ERROR (dB)
			0.04	-0.12	0.21	-0.12	-0.19	-0.15	-0.48	0.00	0.26	-0.11	0.14	-0.29	0.06	-0.63	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4763.6	226	573	939	1272	1620	1970	2303	2675	3036	3367	3731	4063	4430	4739	Measured Value (mV)
	SLOPE (mV/dB)	69.77	-2	-4	13	-3	-4	-3	-19	5	17	-1	14	-3	15	-25	Error (mV)
			-0.03	-0.06	0.18	-0.04	-0.06	-0.04	-0.27	0.07	0.24	-0.02	0.20	-0.04	0.22	-0.35	LINEARITY ERROR (dB)
			0.16	0.13	0.37	0.14	0.12	0.14	-0.09	0.23	0.40	0.15	0.36	0.11	0.37	-0.20	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4791.1	243	601	959	1291	1643	1992	2331	2700	3061	3395	3752	4092	4453	4769	Measured Value (mV)
	SLOPE (mV/dB)	69.88	-6	2	11	-6	-4	-4	-14	5	17	1	9	0	11	-22	Error (mV)
			-0.09	0.04	0.16	-0.09	-0.05	-0.06	-0.21	0.07	0.24	0.02	0.13	-0.01	0.16	-0.32	LINEARITY ERROR (dB)
			0.40	0.53	0.66	0.41	0.45	0.45	0.31	0.59	0.76	0.55	0.66	0.53	0.70	0.23	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4753.1	216	553	927	1259	1607	1962	2296	2659	3014	3354	3719	4050	4422	4733	Measured Value (mV)
	SLOPE (mV/dB)	69.83	2	-10	15	-3	-4	2	-13	1	7	-3	13	-5	18	-20	Error (mV)
			0.03	-0.15	0.21	-0.04	-0.05	0.03	-0.19	0.01	0.10	-0.04	0.19	-0.07	0.26	-0.29	LINEARITY ERROR (dB)
			0.01	-0.16	0.20	-0.05	-0.06	0.02	-0.19	0.00	0.09	-0.04	0.19	-0.07	0.26	-0.29	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4747.7	215	548	921	1250	1596	1954	2288	2664	3018	3351	3721	4040	4414	4722	Measured Value (mV)
	SLOPE (mV/dB)	69.81	5	-11	13	-7	-10	-1	-16	11	16	0	21	-10	15	-26	Error (mV)
			0.08	-0.15	0.19	-0.10	-0.14	-0.02	-0.23	0.15	0.22	-0.01	0.29	-0.14	0.22	-0.37	LINEARITY ERROR (dB)
			0.00	-0.23	0.11	-0.18	-0.22	-0.09	-0.31	0.08	0.15	-0.08	0.22	-0.22	0.14	-0.45	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4769.9	204	525	907	1235	1579	1941	2275	2661	3026	3364	3725	4068	4431	4746	Measured Value (mV)
	SLOPE (mV/dB)	70.53	19	-13	16	-8	-17	-8	-26	7	19	5	13	3	14	-24	Error (mV)
			0.26	-0.19	0.23	-0.12	-0.24	-0.11	-0.37	0.10	0.27	0.07	0.19	0.05	0.20	-0.34	LINEARITY ERROR (dB)
			-0.16	-0.56	-0.09	-0.39	-0.46	-0.28	-0.50	0.03	0.26	0.10	0.27	0.19	0.38	-0.10	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4705.7	199	499	860	1187	1525	1895	2221	2616	2985	3301	3675	4001	4382	4684	Measured Value (mV)
	SLOPE (mV/dB)	70.00	43	-7	4	-19	-31	-11	-35	10	29	-5	19	-5	26	-22	Error (mV)
			0.62	-0.10	0.06	-0.27	-0.44	-0.15	-0.50	0.15	0.42	-0.07	0.28	-0.07	0.38	-0.31	LINEARITY ERROR (dB)
			-0.23	-0.93	-0.76	-1.08	-1.24	-0.94	-1.27	-0.61	-0.33	-0.80	-0.44	-0.77	-0.32	-0.99	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.34	0.73	0.71	0.76	0.88	0.69	0.79	0.67	0.75	0.77	0.55	0.65	0.51	0.61	

-65dBm mV-Out	
247	Max
199	Min

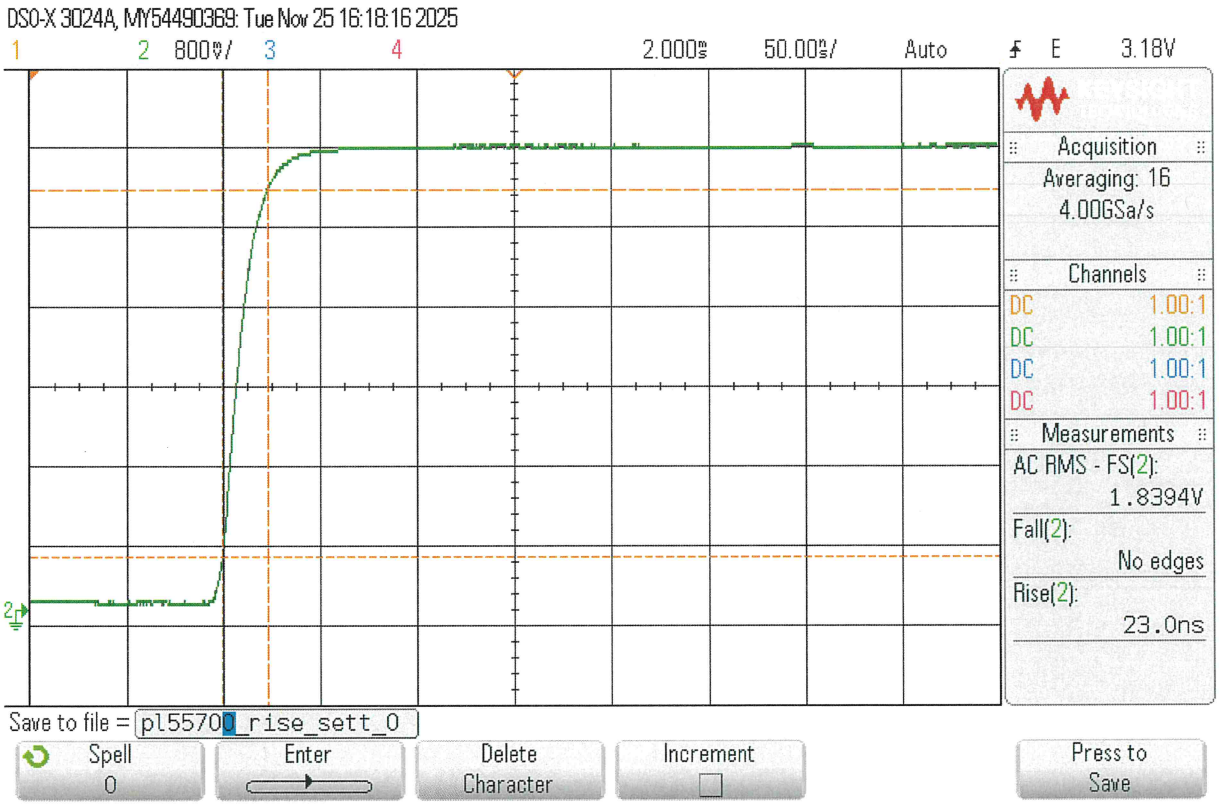




Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55700/2548

RISE TIME/SETTING TIME @ 0dBm

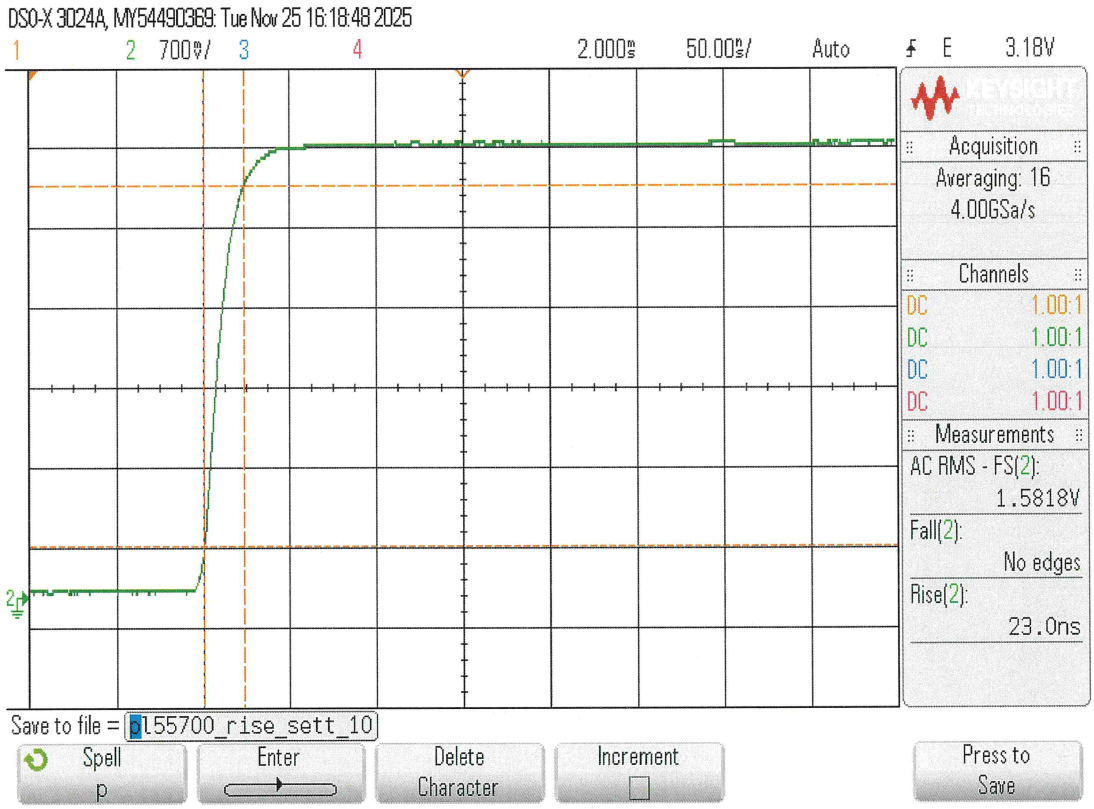


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55700/2548

RISE TIME/SETTING TIME @ -10dBm

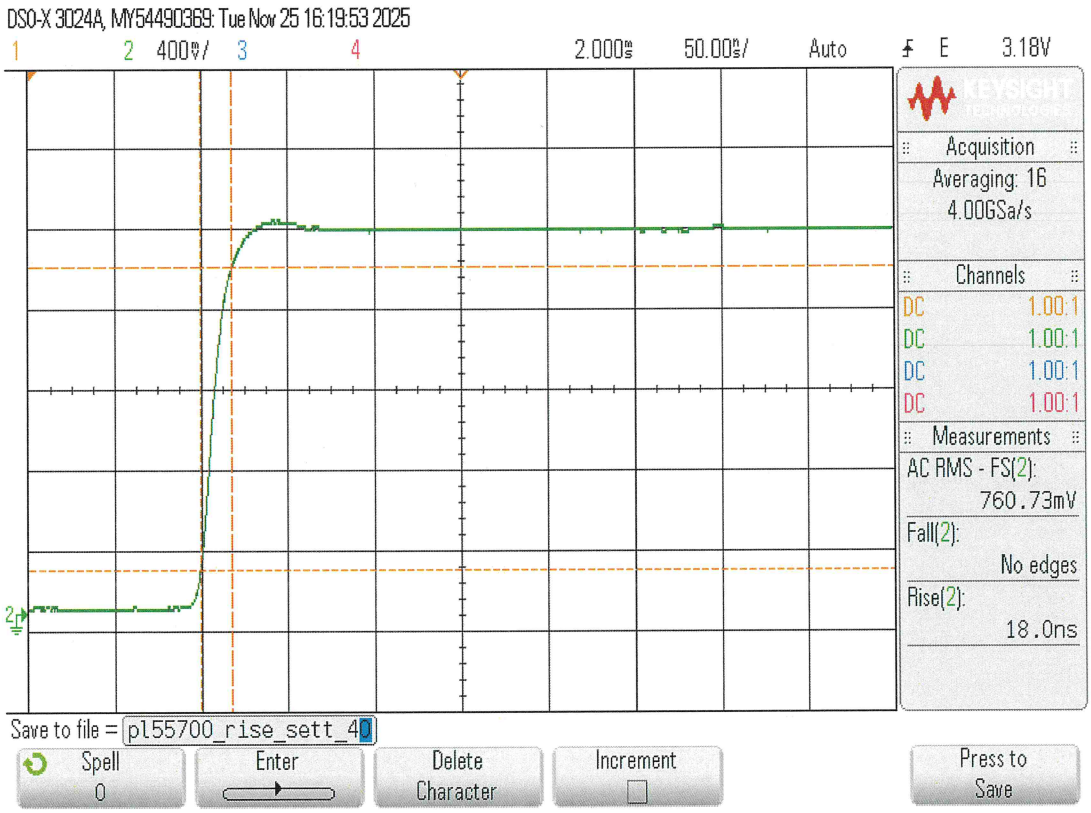


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55700/2548

RISE TIME/SETTING TIME @ -40dBm

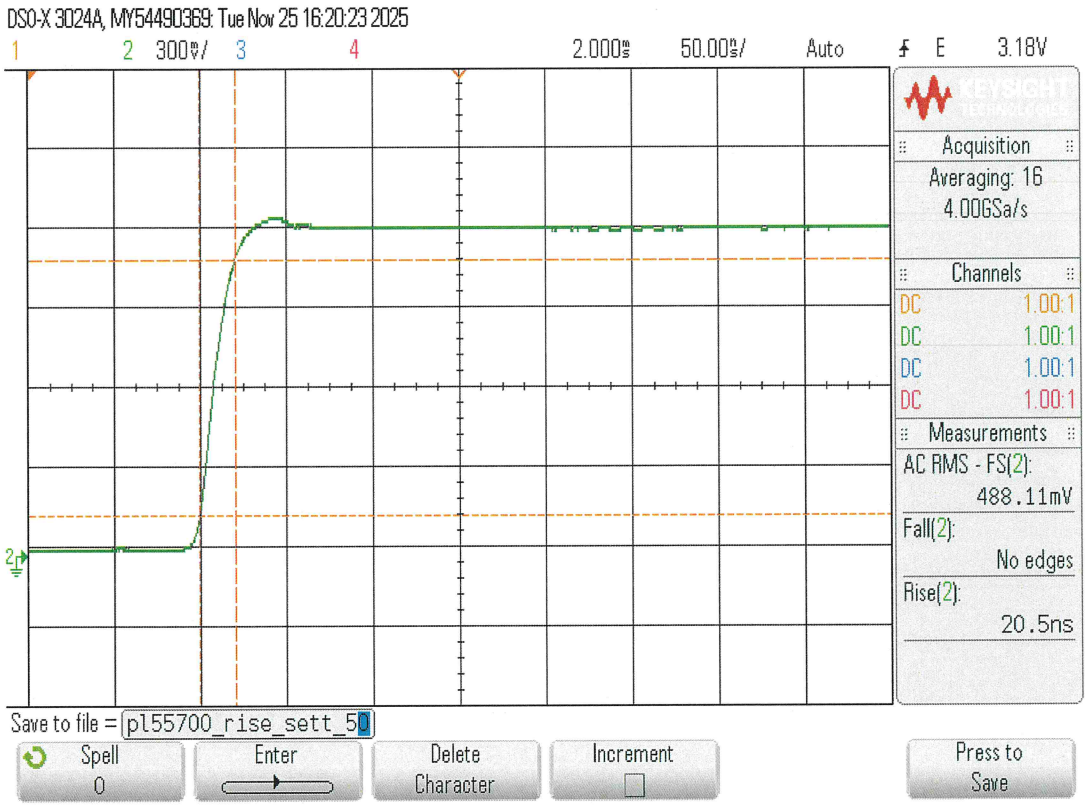


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55700/2548

RISE TIME/SETTING TIME @ -50dBm

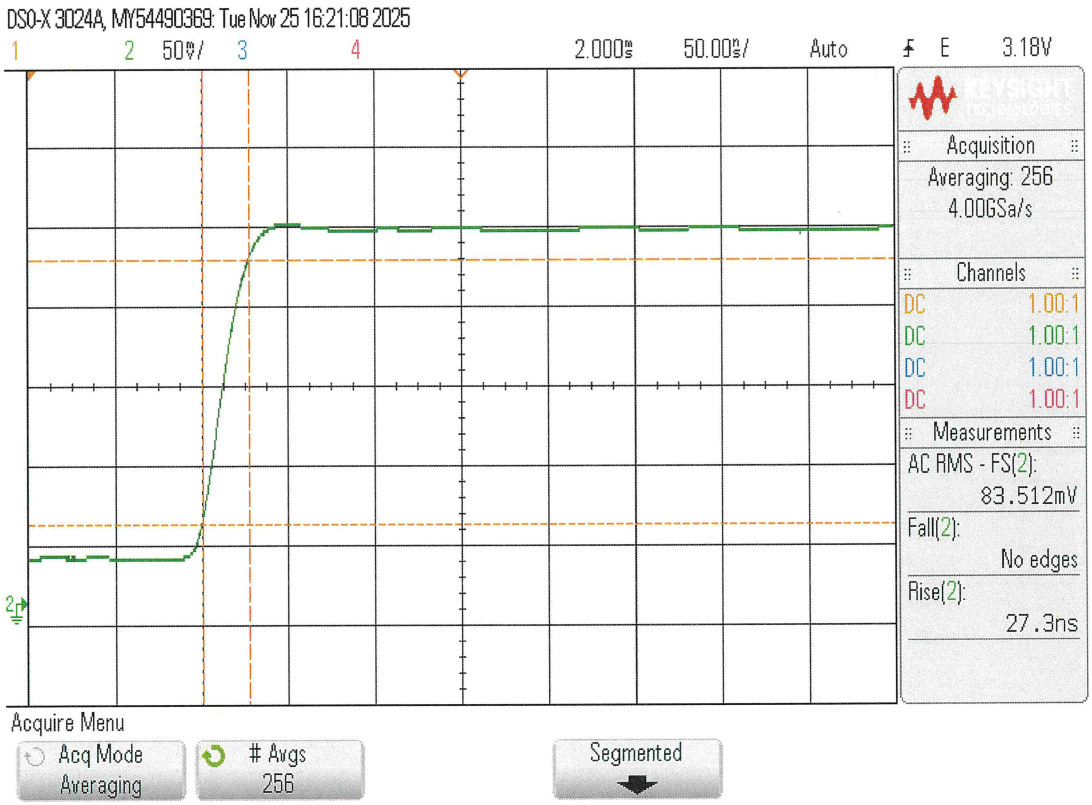


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55700/2548

RISE TIME/SETTING TIME @ -65dBm



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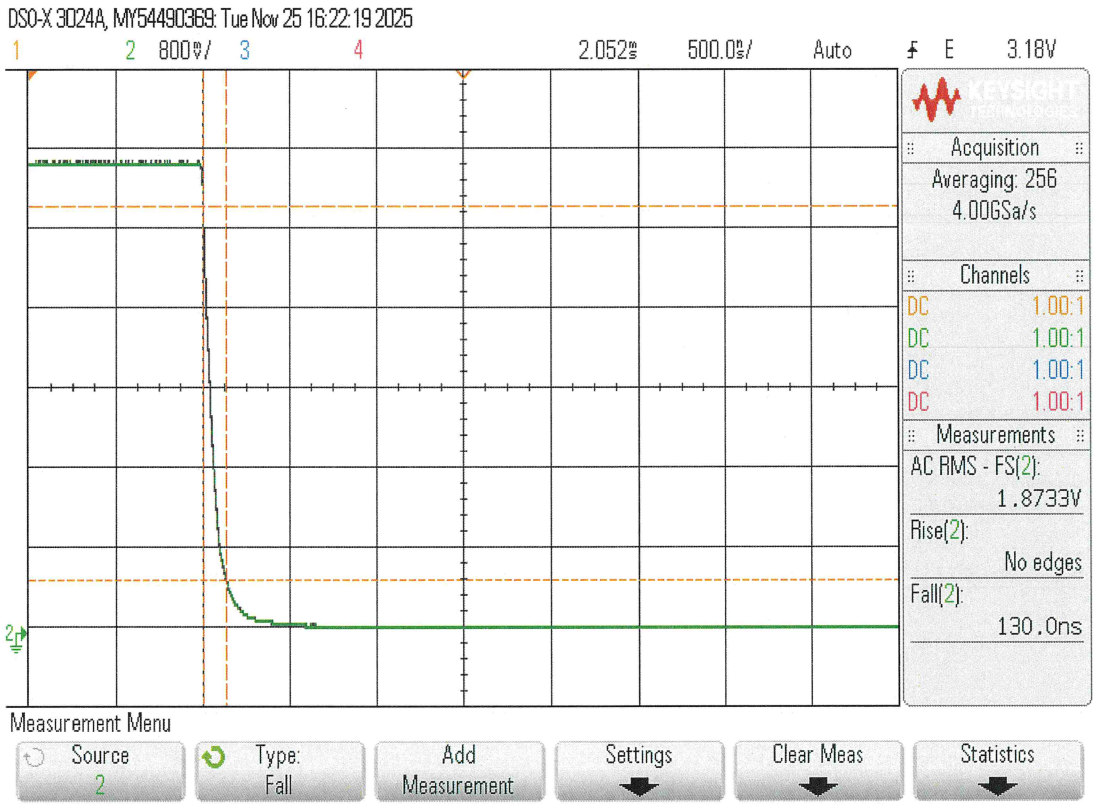
Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55700/2548

RECOVERY TIME @ 0dBm



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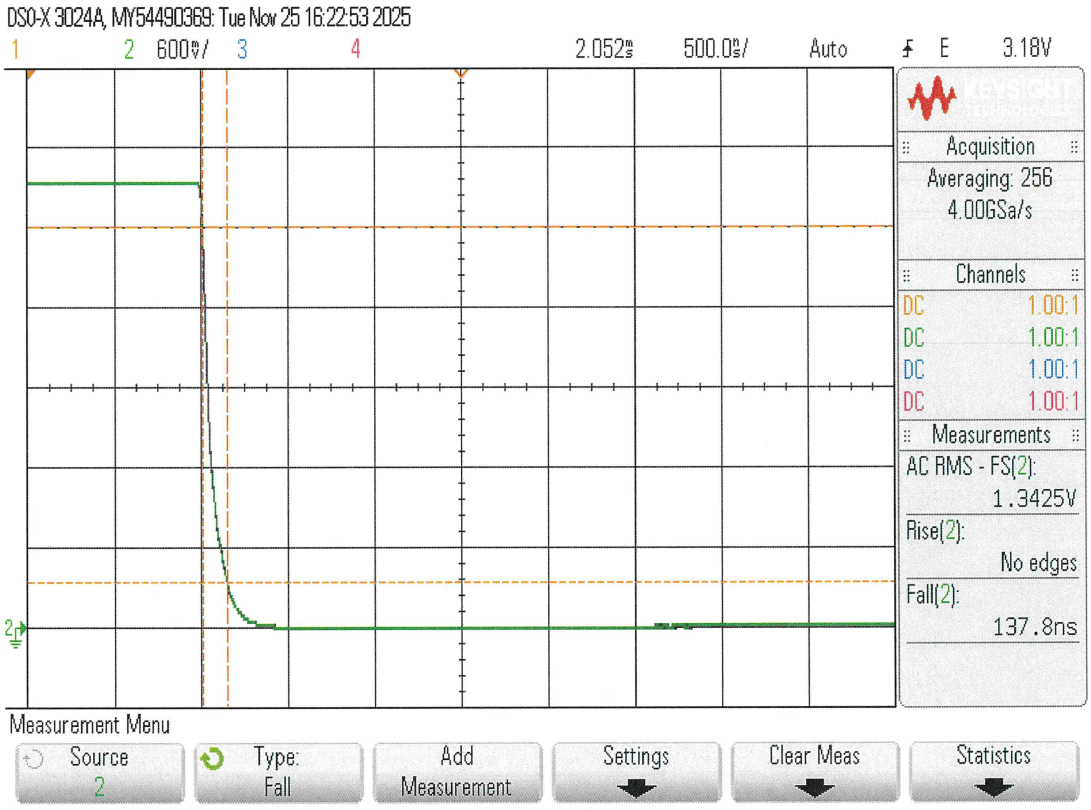
Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55700/2548

RECOVERY TIME @ -20dBm



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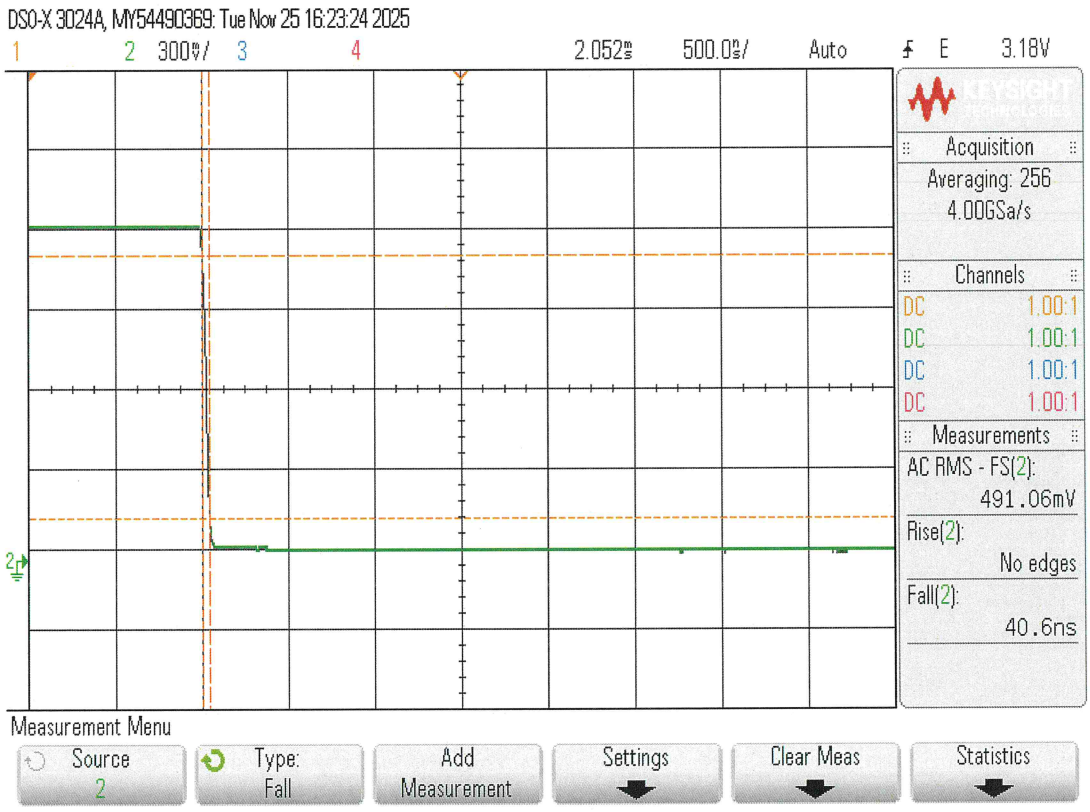
ERDLVA-8G18G-65-70MV-2

Serial No: PL55700/2548

RECOVERY TIME @ -50dBm



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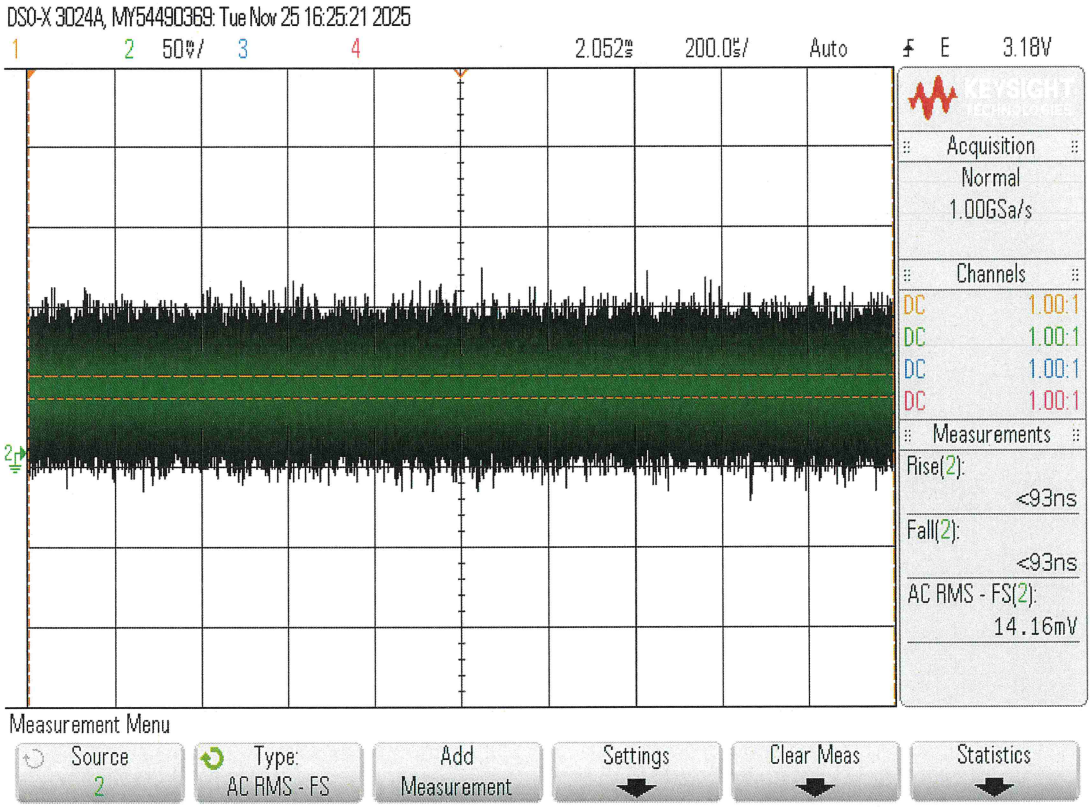
Serial No: PL55700/2548

RMS NOISE



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Summary Data
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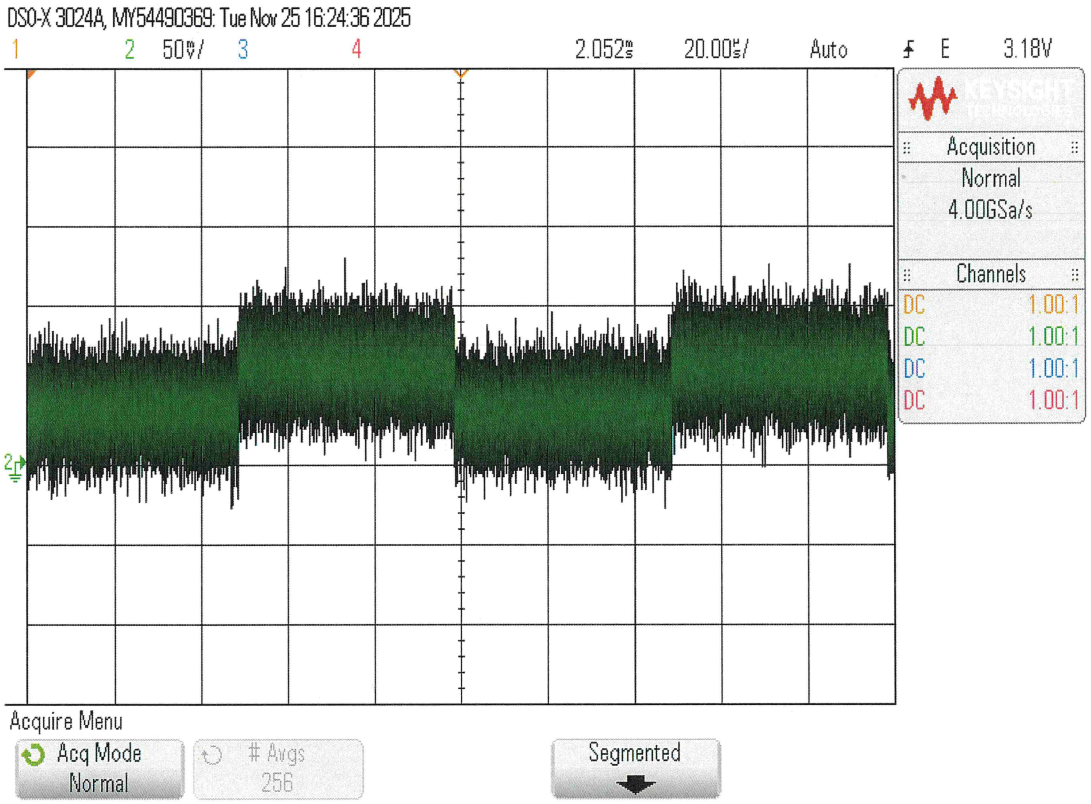
Serial No: PL55700/2548

TSS



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Summary Data
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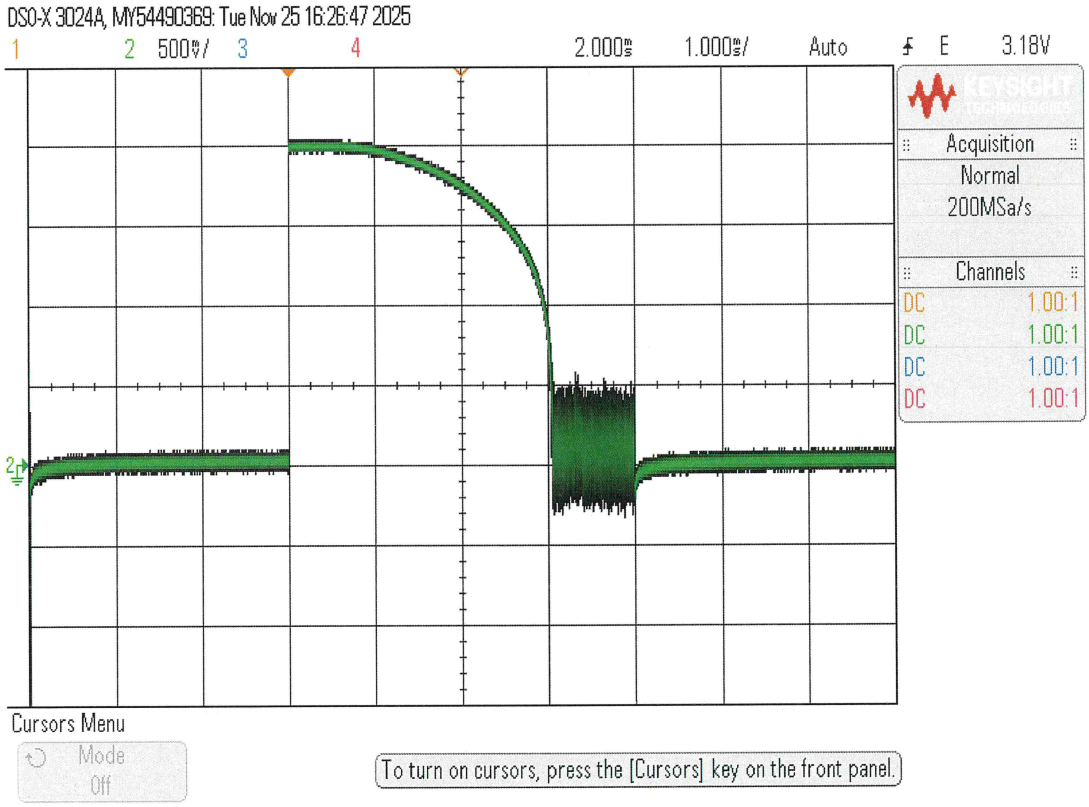
Serial No: PL55700/2548

CW IMMUNITY TIME



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Summary Data
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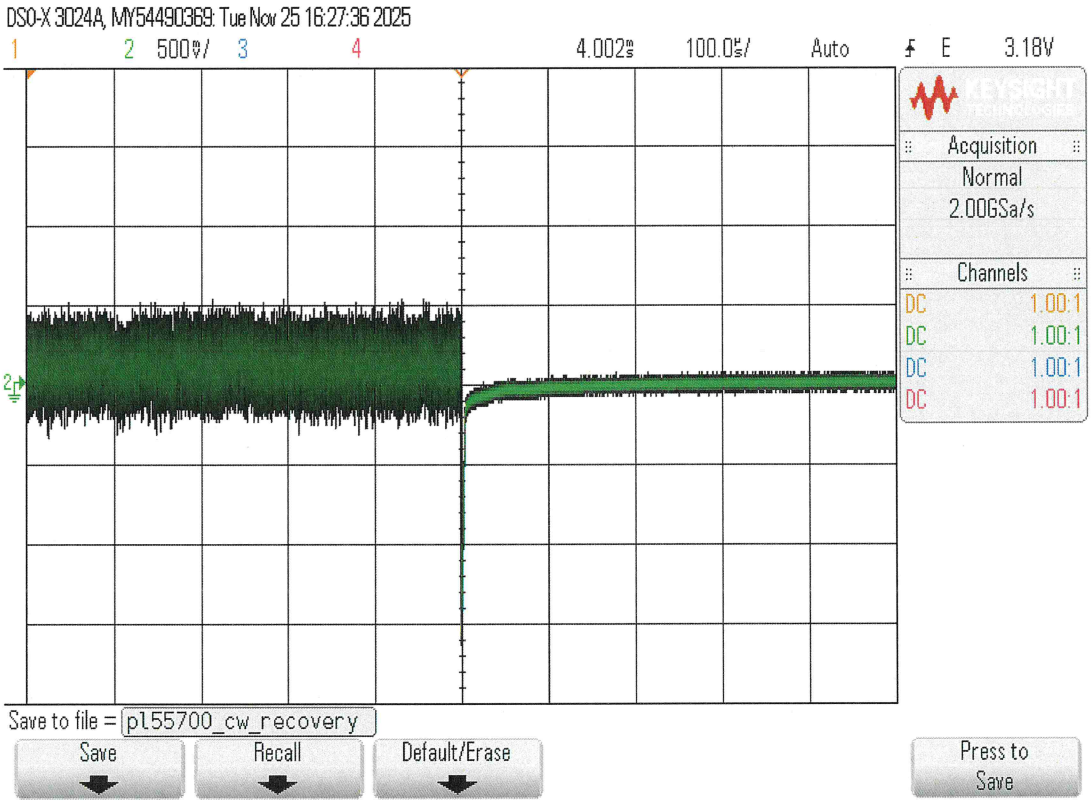
CW RECOVERY TIME



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