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

Customer: [redacted]
SO No: [redacted]
Model No: ERDLVA-8G18G-65-70MV-2
Serial No: PL55703/2548

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	**1.95:1**	
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

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PLANAR MONOLITHICS

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Serial No: PL55703/2548

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	**68.4/69.89mV/dB**	
9	Log Linearity:	±1.0 dB Max	**+.62/-.56dB**	
10	Log Accuracy @ 25°C:	±1.75 dB Max	**+1.00/-.88dB**	
11	Absolute Log Accuracy:	±2.0 dB Max	**+1.15/-1.08**	
12	DC Offset:	±70 mV	**+40mV**	
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)	**125.3ns**	
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	**±.76 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: PL55703/2548

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
20	Video Output @ -65 dBm:	330 ± 123 mV Over Frequency	**234/311mV**	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	**14.05mV**	
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	**3.2ms**	
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: PL55703-RF

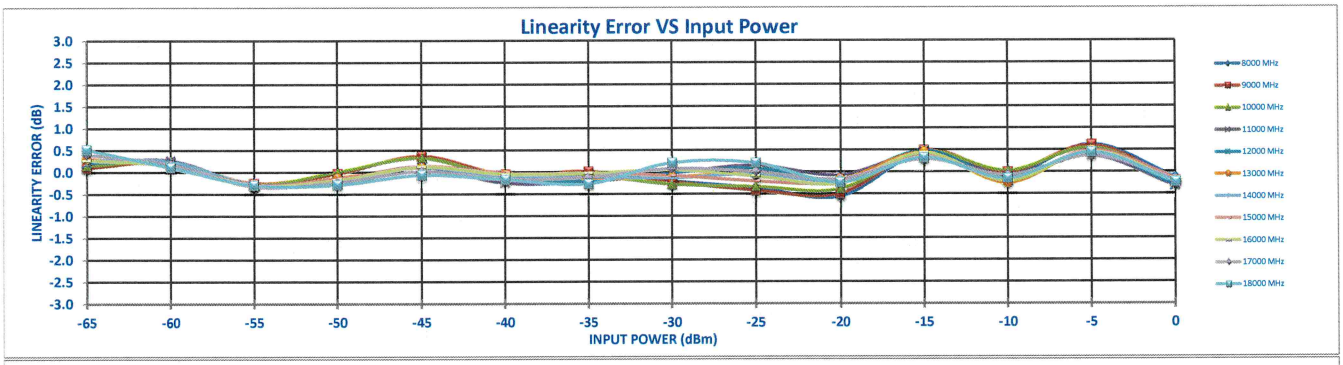
Test Temp: +25C

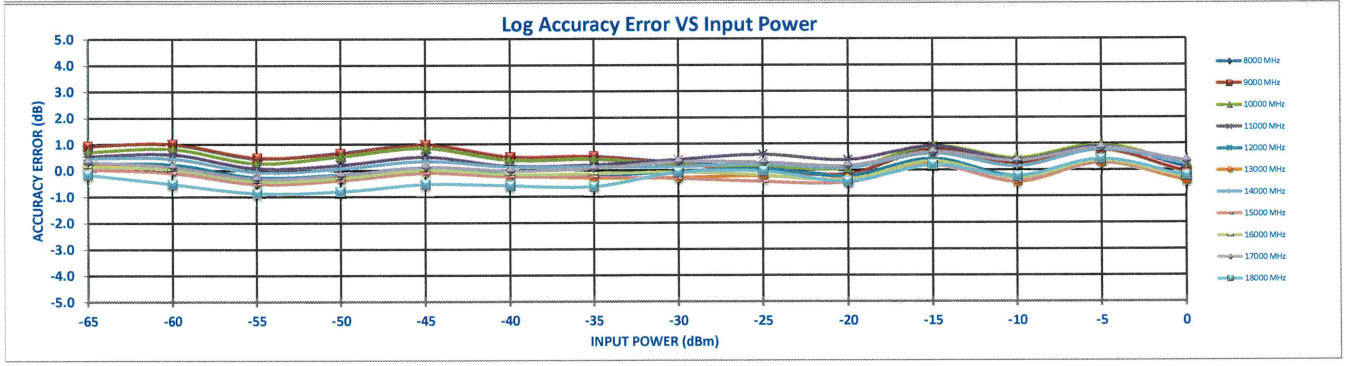
PLANAR MONOLITHICS INDUSTRIES
4921 Robert J. Mathews Parkway STE 1
TEL: 916-542-1401 FAX: 301-662-1731
EMAIL: SALES@PMI-RF.COM
ISO 9001:2000 CERTIFIED

DC Offset= 0.040

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4755.1	311	659	968	1328	1695	2008	2355	2685	3017	3346	3757	4064	4455	4746	Measured Value (mV)
	SLOPE (mV/dB)	68.52	10	15	-18	-1	23	-6	-2	-14	-25	-39	30	-6	42	-9	Error (mV)
			0.14	0.22	-0.27	-0.01	0.34	-0.09	-0.03	-0.21	-0.37	-0.56	0.43	-0.09	0.62	-0.13	LINEARITY ERROR (dB)
			0.95	0.99	0.45	0.66	0.97	0.49	0.51	0.28	0.08	-0.16	0.79	0.22	0.88	0.09	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4748.3	309	660	969	1326	1695	2008	2355	2681	3009	3346	3755	4063	4447	4733	Measured Value (mV)
	SLOPE (mV/dB)	68.40	6	15	-18	-2	25	-4	1	-15	-29	-34	33	-1	41	-15	Error (mV)
			0.09	0.23	-0.26	-0.04	0.36	-0.07	0.01	-0.23	-0.43	-0.50	0.48	-0.02	0.59	-0.22	LINEARITY ERROR (dB)
			0.93	1.00	0.47	0.63	0.97	0.49	0.51	0.23	-0.03	-0.16	0.76	0.21	0.76	-0.10	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4767.9	294	647	955	1319	1686	2000	2348	2679	3020	3361	3764	4079	4460	4754	Measured Value (mV)
	SLOPE (mV/dB)	68.98	10	18	-19	0	22	-9	-6	-20	-23	-27	31	1	37	-14	Error (mV)
			0.14	0.26	-0.28	0.00	0.32	-0.13	-0.08	-0.28	-0.34	-0.40	0.45	0.01	0.54	-0.20	LINEARITY ERROR (dB)
			0.71	0.81	0.27	0.53	0.84	0.38	0.41	0.20	0.13	0.06	0.89	0.44	0.95	0.20	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4775.9	282	633	941	1296	1663	1984	2333	2693	3052	3383	3764	4074	4454	4753	Measured Value (mV)
	SLOPE (mV/dB)	69.36	14	19	-20	-12	8	-18	-15	-2	10	-6	28	-8	25	-23	Error (mV)
			0.21	0.27	-0.29	-0.17	0.12	-0.25	-0.22	-0.03	0.14	-0.08	0.41	-0.12	0.36	-0.33	LINEARITY ERROR (dB)
			0.54	0.61	0.06	0.20	0.51	0.15	0.19	0.40	0.59	0.38	0.89	0.37	0.86	0.19	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4734.8	262	607	918	1271	1635	1962	2304	2662	3014	3341	3732	4031	4419	4713	Measured Value (mV)
	SLOPE (mV/dB)	69.05	15	15	-19	-11	7	-11	-14	-1	5	-13	33	-13	29	-22	Error (mV)
			0.22	0.22	-0.28	-0.17	0.11	-0.16	-0.21	-0.02	0.08	-0.19	0.48	-0.19	0.43	-0.32	LINEARITY ERROR (dB)
			0.25	0.23	-0.27	-0.16	0.10	-0.17	-0.23	-0.05	0.04	-0.23	0.42	-0.25	0.36	-0.39	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4724.5	258	593	907	1263	1625	1958	2298	2645	2996	3332	3719	4016	4412	4710	Measured Value (mV)
	SLOPE (mV/dB)	69.03	21	11	-21	-10	7	-5	-10	-8	-3	-12	30	-18	33	-14	Error (mV)
			0.30	0.15	-0.30	-0.14	0.10	-0.07	-0.15	-0.12	-0.04	-0.17	0.44	-0.26	0.47	-0.21	LINEARITY ERROR (dB)
			0.19	0.03	-0.43	-0.28	-0.04	-0.23	-0.31	-0.29	-0.22	-0.36	0.24	-0.47	0.26	-0.43	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4762.9	277	622	932	1286	1652	1982	2329	2674	3027	3362	3746	4058	4447	4754	Measured Value (mV)
	SLOPE (mV/dB)	69.30	19	17	-19	-12	8	-9	-8	-10	-3	-15	23	-12	31	-9	Error (mV)
			0.27	0.25	-0.28	-0.17	0.11	-0.13	-0.12	-0.14	-0.05	-0.21	0.33	-0.17	0.44	-0.13	LINEARITY ERROR (dB)
			0.46	0.45	-0.07	0.05	0.35	0.12	0.14	0.12	0.23	0.07	0.63	0.14	0.76	0.20	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4724.5	247	584	900	1255	1620	1956	2301	2643	2980	3324	3714	4017	4412	4714	Measured Value (mV)
	SLOPE (mV/dB)	69.18	19	10	-20	-11	9	-1	-2	-6	-15	-17	27	-16	33	-10	Error (mV)
			0.28	0.15	-0.29	-0.15	0.12	-0.02	-0.03	-0.09	-0.22	-0.24	0.39	-0.23	0.48	-0.15	LINEARITY ERROR (dB)
			0.03	-0.10	-0.53	-0.39	-0.12	-0.26	-0.27	-0.32	-0.45	-0.48	0.16	-0.45	0.26	-0.38	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4733.5	255	593	907	1261	1628	1962	2310	2661	2997	3331	3725	4026	4418	4718	Measured Value (mV)
	SLOPE (mV/dB)	69.18	18	10	-22	-13	8	-4	-2	3	-7	-19	29	-16	30	-15	Error (mV)
			0.26	0.15	-0.31	-0.20	0.11	-0.06	-0.03	0.04	-0.10	-0.27	0.42	-0.23	0.44	-0.22	LINEARITY ERROR (dB)
			0.14	0.03	-0.43	-0.31	0.00	-0.17	-0.14	-0.06	-0.20	-0.37	0.32	-0.32	0.34	-0.32	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4776	267	600	914	1269	1636	1972	2324	2687	3031	3368	3749	4072	4452	4763	Measured Value (mV)
	SLOPE (mV/dB)	69.80	28	12	-23	-17	1	-12	-9	5	0	-12	20	-6	25	-13	Error (mV)
			0.40	0.17	-0.33	-0.24	0.02	-0.17	-0.13	0.07	0.00	-0.17	0.29	-0.09	0.36	-0.19	LINEARITY ERROR (dB)
			0.32	0.13	-0.33	-0.19	0.11	-0.03	0.06	0.31	0.29	0.16	0.67	0.34	0.84	0.33	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4741.3	234	555	876	1226	1591	1933	2276	2659	3008	3326	3715	4031	4422	4724	Measured Value (mV)
	SLOPE (mV/dB)	69.89	36	7	-21	-21	-5	-13	-19	15	14	-17	22	-11	30	-17	Error (mV)
			0.51	0.11	-0.30	-0.29	-0.07	-0.18	-0.27	0.21	0.20	-0.25	0.32	-0.16	0.43	-0.25	LINEARITY ERROR (dB)
			-0.16	-0.52	-0.88	-0.81	-0.54	-0.59	-0.63	-0.09	-0.05	-0.45	0.18	-0.25	0.40	-0.23	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.56	0.76	0.67	0.74	0.75	0.54	0.57	0.36	0.52	0.43	0.36	0.46	0.35	0.38	

-65dBm mV-Out		
311	Max	
234	Min	





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55703-BIT

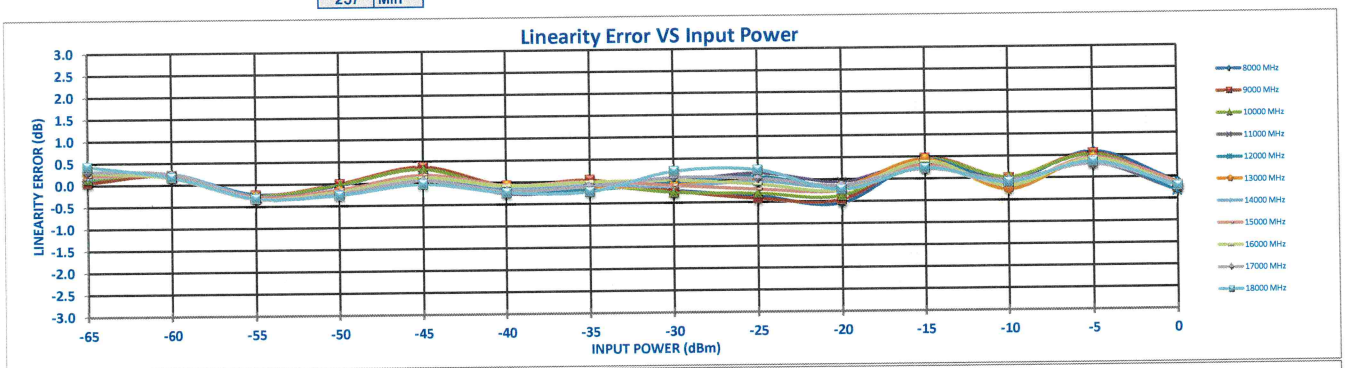
Test Temp: +25C

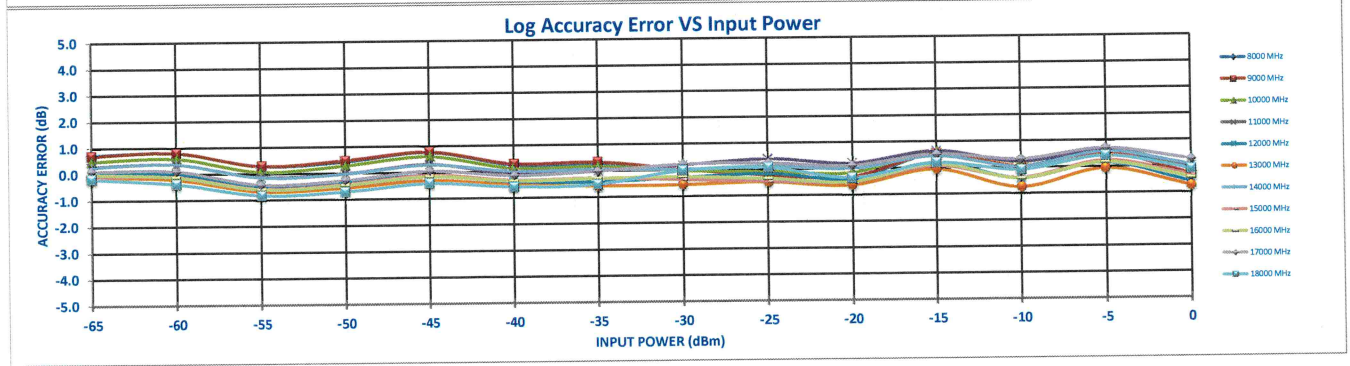
DC Offset= 0.042

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

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	320	671	981	1337	1706	2017	2364	2694	3027	3357	3765	4076	4462	4756	Measured Value (mV)
	SLOPE (mV/dB)	68.50	8	17	-16	-2	24	-7	-3	-15	-25	-37	28	-3	40	-8	Error (mV)
			0.12	0.24	-0.23	-0.03	0.35	-0.11	-0.04	-0.22	-0.36	-0.54	0.41	-0.05	0.59	-0.12	LINEARITY ERROR (dB)
			0.72	0.80	0.28	0.43	0.76	0.26	0.27	0.05	-0.14	-0.37	0.53	0.03	0.61	-0.14	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4759.6	318	671	981	1340	1707	2019	2368	2692	3021	3360	3765	4076	4455	4744	Measured Value (mV)
	SLOPE (mV/dB)	68.39	4	15	-17	0	25	-5	2	-16	-29	-32	31	0	37	-16	Error (mV)
			0.05	0.22	-0.25	0.00	0.36	-0.07	0.03	-0.23	-0.42	-0.47	0.46	0.00	0.55	-0.23	LINEARITY ERROR (dB)
			0.69	0.80	0.28	0.47	0.78	0.29	0.33	0.02	-0.23	-0.33	0.53	0.03	0.51	-0.32	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4775.3	304	656	966	1327	1695	2008	2357	2689	3031	3371	3771	4087	4466	4761	Measured Value (mV)
	SLOPE (mV/dB)	68.94	9	17	-18	-2	22	-10	-6	-18	-21	-26	30	1	35	-14	Error (mV)
			0.14	0.24	-0.26	-0.02	0.32	-0.14	-0.08	-0.27	-0.30	-0.37	0.43	0.01	0.51	-0.21	LINEARITY ERROR (dB)
			0.49	0.58	0.06	0.28	0.60	0.13	0.17	-0.03	-0.08	-0.17	0.62	0.19	0.67	-0.07	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4788.1	290	641	952	1306	1674	1994	2345	2704	3064	3396	3772	4088	4463	4766	Measured Value (mV)
	SLOPE (mV/dB)	69.40	13	17	-19	-12	9	-18	-14	-2	11	-4	25	-6	22	-22	Error (mV)
			0.19	0.25	-0.27	-0.17	0.13	-0.26	-0.20	-0.03	0.16	-0.06	0.36	-0.09	0.32	-0.32	LINEARITY ERROR (dB)
			0.29	0.36	-0.14	-0.02	0.30	-0.07	0.00	0.19	0.40	0.20	0.63	0.20	0.62	0.00	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4746.7	269	616	928	1282	1646	1971	2316	2671	3025	3353	3741	4045	4430	4724	Measured Value (mV)
	SLOPE (mV/dB)	69.09	13	15	-19	-10	8	-12	-12	-3	6	-12	31	-11	29	-23	Error (mV)
			0.19	0.21	-0.27	-0.15	0.12	-0.17	-0.18	-0.04	0.08	-0.17	0.44	-0.16	0.42	-0.33	LINEARITY ERROR (dB)
			-0.01	0.00	-0.49	-0.37	-0.11	-0.41	-0.42	-0.29	-0.17	-0.43	0.18	-0.42	0.14	-0.60	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4729.2	262	601	914	1268	1632	1964	2305	2652	3003	3338	3724	4021	4415	4714	Measured Value (mV)
	SLOPE (mV/dB)	69.00	18	12	-20	-11	8	-5	-9	-7	-1	-11	30	-18	31	-15	Error (mV)
			0.26	0.17	-0.29	-0.16	0.11	-0.07	-0.13	-0.10	-0.02	-0.16	0.43	-0.26	0.45	-0.22	LINEARITY ERROR (dB)
			-0.12	-0.21	-0.69	-0.57	-0.31	-0.51	-0.58	-0.56	-0.49	-0.64	-0.06	-0.77	-0.07	-0.75	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4778.6	289	641	951	1305	1673	2000	2349	2692	3045	3382	3759	4075	4459	4769	Measured Value (mV)
	SLOPE (mV/dB)	69.25	12	18	-19	-11	11	-8	-6	-9	-2	-11	19	-11	27	-10	Error (mV)
			0.17	0.26	-0.27	-0.16	0.16	-0.12	-0.08	-0.13	-0.03	-0.17	0.28	-0.16	0.39	-0.14	LINEARITY ERROR (dB)
			0.27	0.36	-0.15	-0.04	0.28	0.01	0.06	0.02	0.12	-0.01	0.44	0.01	0.56	0.05	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4750.2	263	608	921	1278	1646	1976	2326	2665	3004	3347	3733	4046	4435	4742	Measured Value (mV)
	SLOPE (mV/dB)	69.26	15	13	-20	-9	12	-4	0	-7	-15	-18	22	-12	31	-8	Error (mV)
			0.21	0.19	-0.29	-0.13	0.18	-0.06	0.00	-0.11	-0.21	-0.26	0.31	-0.17	0.45	-0.12	LINEARITY ERROR (dB)
			-0.10	-0.11	-0.59	-0.43	-0.11	-0.33	-0.27	-0.37	-0.47	-0.51	0.07	-0.41	0.22	-0.34	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4748.8	269	607	919	1275	1642	1974	2325	2673	3012	3347	3737	4044	4431	4735	Measured Value (mV)
	SLOPE (mV/dB)	69.22	19	11	-23	-13	8	-6	-1	1	-6	-17	26	-13	28	-14	Error (mV)
			0.28	0.16	-0.33	-0.19	0.11	-0.09	-0.02	0.01	-0.09	-0.25	0.38	-0.18	0.41	-0.20	LINEARITY ERROR (dB)
			-0.01	-0.13	-0.62	-0.47	-0.16	-0.36	-0.29	-0.26	-0.36	-0.51	0.13	-0.44	0.16	-0.45	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4796.4	278	623	932	1288	1657	1989	2344	2706	3053	3390	3764	4095	4468	4784	Measured Value (mV)
	SLOPE (mV/dB)	69.84	21	17	-23	-16	4	-14	-8	5	3	-10	15	-3	21	-12	Error (mV)
			0.31	0.25	-0.33	-0.23	0.05	-0.20	-0.11	0.07	0.04	-0.14	0.22	-0.04	0.30	-0.18	LINEARITY ERROR (dB)
			0.12	0.10	-0.43	-0.28	0.05	-0.15	-0.01	0.22	0.24	0.11	0.52	0.30	0.69	0.26	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4773.2	257	589	904	1258	1624	1959	2309	2690	3041	3358	3741	4067	4448	4758	Measured Value (mV)
	SLOPE (mV/dB)	69.94	30	12	-23	-18	-2	-17	-16	15	16	-16	17	-7	25	-15	Error (mV)
			0.43	0.17	-0.32	-0.26	-0.03	-0.24	-0.23	0.21	0.23	-0.23	0.24	-0.10	0.35	-0.22	LINEARITY ERROR (dB)
			-0.19	-0.39	-0.83	-0.72	-0.42	-0.58	-0.52	-0.01	0.06	-0.35	0.18	-0.10	0.40	-0.11	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.46	0.59	0.56	0.59	0.60	0.43	0.46	0.39	0.44	0.42	0.35	0.53	0.38	0.51	

-65dBm mV-Out	
320	Max
257	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55703-RF

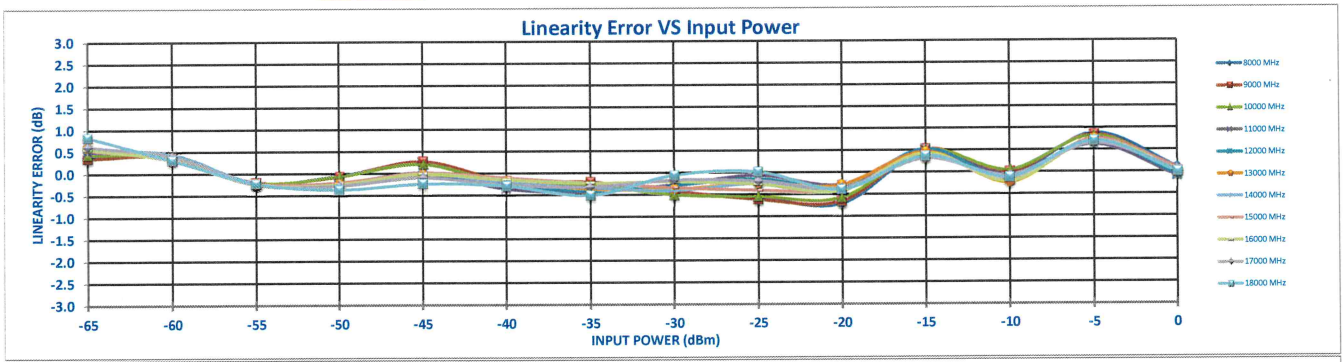
Test Temp: -10C

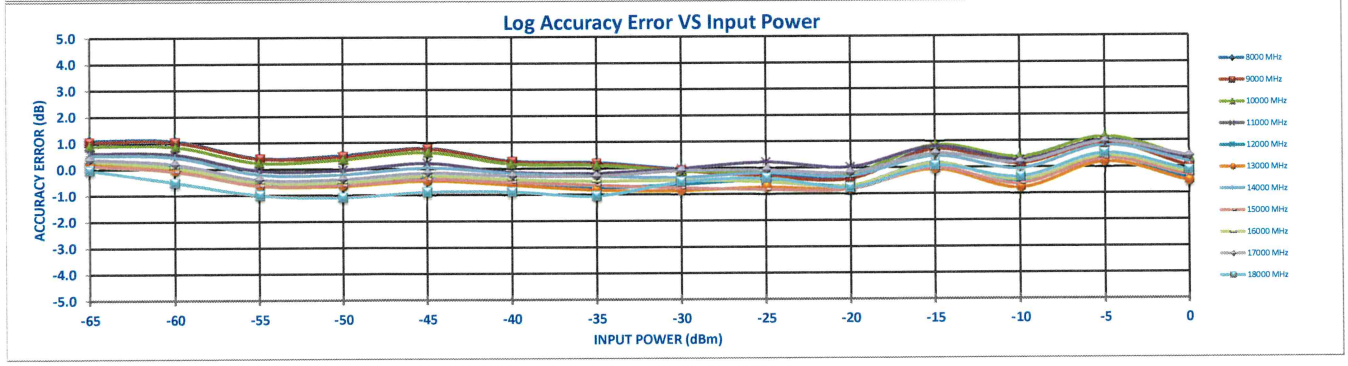
DC Offset= 0.040

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

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4790	312	660	964	1321	1689	2004	2349	2680	3017	3354	3783	4092	4504	4797	Measured Value (mV)
	SLOPE (mV/dB)	69.31	27	28	-14	-4	18	-14	-15	-31	-40	-50	33	-5	61	7	Error (mV)
			0.39	0.41	-0.20	-0.05	0.26	-0.20	-0.22	-0.44	-0.58	-0.72	0.47	-0.07	0.87	0.10	LINEARITY ERROR (dB)
			1.10	1.07	0.42	0.52	0.78	0.28	0.22	-0.05	-0.24	-0.42	0.71	0.13	1.02	0.20	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4783.9	307	656	962	1317	1687	2002	2346	2677	3010	3353	3781	4092	4496	4783	Measured Value (mV)
	SLOPE (mV/dB)	69.24	24	27	-14	-5	19	-12	-14	-30	-43	-46	36	1	58	-1	Error (mV)
			0.35	0.39	-0.19	-0.07	0.28	-0.18	-0.21	-0.43	-0.62	-0.67	0.52	0.01	0.84	-0.01	LINEARITY ERROR (dB)
			1.03	1.02	0.39	0.47	0.75	0.26	0.17	-0.10	-0.34	-0.43	0.68	0.13	0.90	0.00	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4805	297	645	951	1310	1678	1996	2342	2675	3021	3368	3792	4110	4513	4806	Measured Value (mV)
	SLOPE (mV/dB)	69.81	30	29	-14	-4	15	-16	-19	-36	-39	-41	34	3	57	1	Error (mV)
			0.43	0.41	-0.20	-0.06	0.21	-0.23	-0.28	-0.51	-0.55	-0.58	0.49	0.05	0.82	0.01	LINEARITY ERROR (dB)
			0.89	0.86	0.23	0.37	0.62	0.17	0.12	-0.12	-0.18	-0.22	0.84	0.39	1.15	0.33	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4809.2	278	624	930	1281	1649	1974	2320	2682	3048	3384	3788	4102	4502	4802	Measured Value (mV)
	SLOPE (mV/dB)	70.25	35	30	-15	-16	1	-25	-30	-20	-5	-20	33	-5	44	-7	Error (mV)
			0.50	0.43	-0.22	-0.22	0.02	-0.36	-0.43	-0.28	-0.07	-0.29	0.46	-0.07	0.63	-0.10	LINEARITY ERROR (dB)
			0.61	0.56	-0.07	-0.05	0.21	-0.14	-0.20	-0.02	0.21	0.01	0.78	0.27	0.99	0.28	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4756.8	255	591	899	1247	1611	1944	2282	2640	3000	3335	3745	4047	4458	4751	Measured Value (mV)
	SLOPE (mV/dB)	69.87	40	26	-15	-16	-2	-18	-29	-21	-10	-24	36	-11	51	-6	Error (mV)
			0.57	0.38	-0.22	-0.23	-0.02	-0.26	-0.42	-0.30	-0.14	-0.35	0.52	-0.16	0.72	-0.08	LINEARITY ERROR (dB)
			0.29	0.09	-0.51	-0.54	-0.33	-0.57	-0.74	-0.63	-0.48	-0.69	0.17	-0.51	0.36	-0.45	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4742.4	250	581	890	1239	1602	1940	2275	2623	2981	3327	3728	4028	4446	4744	Measured Value (mV)
	SLOPE (mV/dB)	69.76	42	24	-16	-16	-1	-12	-26	-27	-17	-20	32	-17	52	2	Error (mV)
			0.60	0.34	-0.23	-0.22	-0.02	-0.17	-0.37	-0.38	-0.25	-0.29	0.46	-0.24	0.75	0.02	LINEARITY ERROR (dB)
			0.21	-0.05	-0.64	-0.65	-0.46	-0.63	-0.84	-0.87	-0.75	-0.81	-0.07	-0.79	0.19	-0.55	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4789.3	272	616	920	1270	1637	1971	2313	2658	3020	3361	3763	4079	4490	4796	Measured Value (mV)
	SLOPE (mV/dB)	70.07	38	31	-15	-16	1	-15	-24	-29	-17	-27	25	-10	51	7	Error (mV)
			0.54	0.45	-0.22	-0.22	0.02	-0.22	-0.34	-0.41	-0.25	-0.38	0.35	-0.14	0.73	0.10	LINEARITY ERROR (dB)
			0.53	0.45	-0.21	-0.21	0.04	-0.19	-0.30	-0.37	-0.19	-0.32	0.43	-0.06	0.82	0.19	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4752.5	244	579	890	1241	1606	1947	2288	2630	2975	3326	3731	4039	4455	4759	Measured Value (mV)
	SLOPE (mV/dB)	69.95	38	23	-15	-14	1	-8	-16	-24	-29	-28	28	-14	52	6	Error (mV)
			0.54	0.33	-0.22	-0.20	0.01	-0.11	-0.23	-0.35	-0.41	-0.39	0.40	-0.20	0.75	0.09	LINEARITY ERROR (dB)
			0.13	-0.08	-0.64	-0.62	-0.40	-0.53	-0.66	-0.77	-0.84	-0.82	-0.03	-0.63	0.32	-0.34	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4763.8	256	589	899	1249	1615	1955	2299	2651	2996	3335	3744	4049	4463	4766	Measured Value (mV)
	SLOPE (mV/dB)	69.95	39	22	-18	-17	-1	-11	-17	-14	-19	-30	29	-15	49	2	Error (mV)
			0.56	0.32	-0.25	-0.25	-0.02	-0.15	-0.24	-0.20	-0.27	-0.43	0.42	-0.22	0.70	0.03	LINEARITY ERROR (dB)
			0.30	0.06	-0.51	-0.51	-0.28	-0.42	-0.50	-0.47	-0.54	-0.69	0.15	-0.49	0.43	-0.24	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4807.6	261	598	906	1257	1623	1964	2313	2677	3028	3370	3770	4096	4500	4811	Measured Value (mV)
	SLOPE (mV/dB)	70.62	44	28	-17	-20	-7	-19	-23	-12	-14	-25	22	-5	45	3	Error (mV)
			0.62	0.39	-0.25	-0.28	-0.09	-0.27	-0.32	-0.17	-0.20	-0.36	0.31	-0.08	0.64	0.05	LINEARITY ERROR (dB)
			0.37	0.19	-0.41	-0.39	-0.16	-0.29	-0.30	-0.10	-0.08	-0.19	0.53	0.19	0.96	0.41	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4773.3	232	549	865	1209	1572	1922	2260	2646	3005	3330	3737	4057	4469	4773	Measured Value (mV)
	SLOPE (mV/dB)	70.77	59	22	-16	-26	-17	-21	-36	-4	1	-28	25	-9	50	0	Error (mV)
			0.83	0.31	-0.23	-0.36	-0.24	-0.29	-0.51	-0.06	0.01	-0.39	0.36	-0.12	0.70	0.00	LINEARITY ERROR (dB)
			-0.04	-0.51	-1.00	-1.08	-0.89	-0.89	-1.06	-0.54	-0.41	-0.76	0.05	-0.37	0.52	-0.14	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.57	0.79	0.71	0.80	0.84	0.59	0.64	0.42	0.52	0.41	0.46	0.59	0.48	0.48	

-65dBm mV-Out	
312	Max
232	Min





LOG TRANSFER WITH FREQUENCY
MODEL: ERDLVA-8G18G-65-70MV-2
TESTED BY: JIM HOPSON
DATE: 11/29/25
SERIAL NO: PL55703-RF

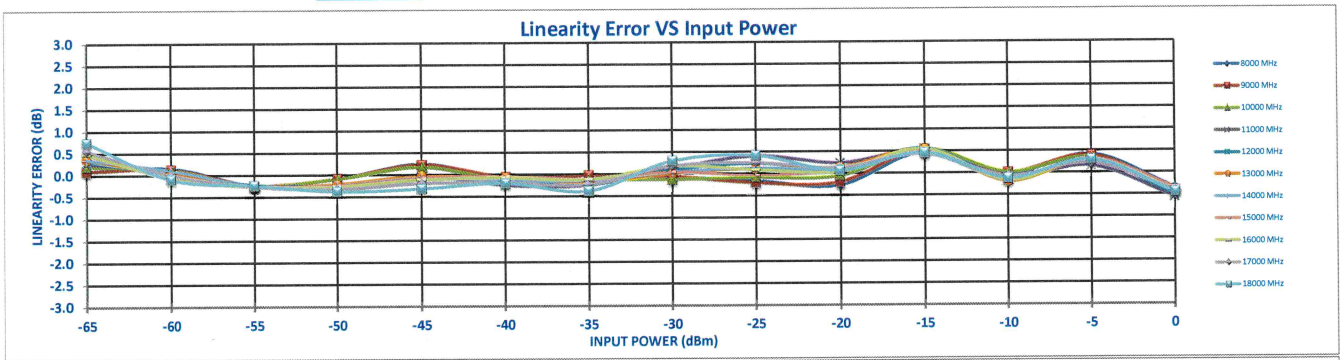
Test Temp: +85C

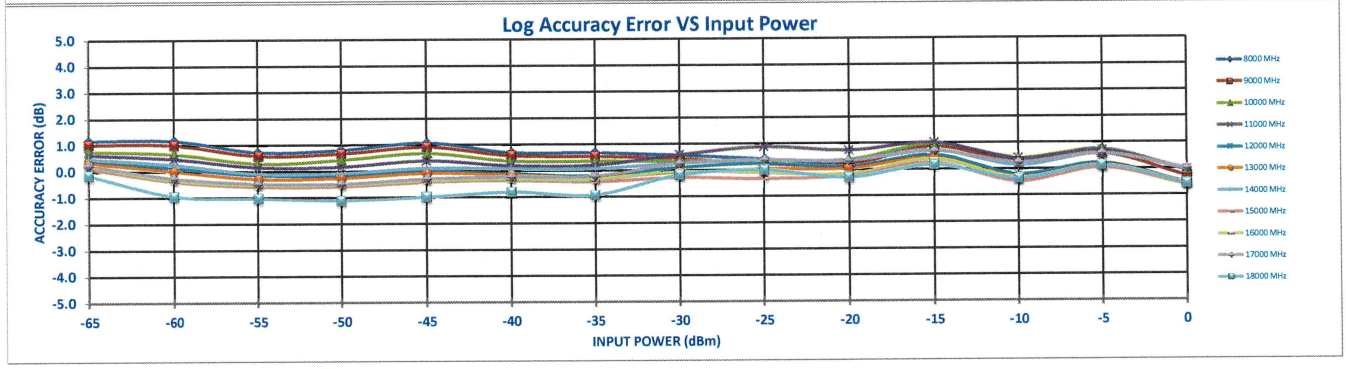
DC Offset= 0.050

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

Frequency			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4711.2	293	638	952	1302	1665	1983	2327	2664	2998	3331	3723	4028	4399	4687	Measured Value (mV)
	SLOPE (mV/dB)	68.06	6	10	-16	-6	16	-6	-2	-5	-12	-19	33	-3	28	-24	Error (mV)
			0.08	0.15	-0.23	-0.09	0.24	-0.09	-0.03	-0.08	-0.17	-0.28	0.48	-0.04	0.41	-0.36	LINEARITY ERROR (dB)
			1.16	1.17	0.72	0.80	1.07	0.68	0.67	0.56	0.41	0.24	0.92	0.35	0.73	-0.09	ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	4701.7	283	626	942	1292	1654	1975	2317	2655	2985	3326	3717	4021	4388	4672	Measured Value (mV)
	SLOPE (mV/dB)	68.07	6	8	-16	-6	15	-4	-2	-5	-15	-14	36	0	27	-30	Error (mV)
			0.08	0.12	-0.23	-0.09	0.23	-0.06	-0.03	-0.07	-0.22	-0.21	0.53	0.00	0.39	-0.44	LINEARITY ERROR (dB)
			1.02	0.99	0.58	0.65	0.91	0.56	0.53	0.43	0.22	0.17	0.84	0.25	0.57	-0.31	ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	4718.9	265	603	922	1276	1638	1961	2305	2648	2994	3340	3725	4032	4398	4689	Measured Value (mV)
	SLOPE (mV/dB)	68.72	13	7	-17	-7	12	-9	-9	-9	-7	-4	37	0	23	-30	Error (mV)
			0.19	0.11	-0.25	-0.10	0.17	-0.13	-0.13	-0.13	-0.10	-0.06	0.54	0.00	0.33	-0.43	LINEARITY ERROR (dB)
			0.75	0.66	0.29	0.42	0.67	0.36	0.35	0.33	0.35	0.37	0.95	0.41	0.72	-0.06	ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	4730.3	256	590	912	1258	1618	1949	2294	2665	3030	3364	3728	4031	4395	4691	Measured Value (mV)
	SLOPE (mV/dB)	69.11	18	6	-17	-17	-3	-17	-18	8	27	16	34	-8	10	-39	Error (mV)
			0.25	0.09	-0.25	-0.25	-0.04	-0.25	-0.25	0.11	0.40	0.23	0.50	-0.12	0.15	-0.57	LINEARITY ERROR (dB)
			0.62	0.47	0.14	0.16	0.38	0.19	0.19	0.57	0.87	0.72	1.00	0.39	0.67	-0.03	ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	4689.1	241	567	892	1235	1592	1928	2266	2632	2986	3321	3696	3990	4363	4654	Measured Value (mV)
	SLOPE (mV/dB)	68.76	21	3	-15	-16	-3	-11	-17	6	16	7	38	-12	18	-35	Error (mV)
			0.31	0.05	-0.23	-0.24	-0.04	-0.16	-0.24	0.08	0.23	0.10	0.56	-0.17	0.26	-0.51	LINEARITY ERROR (dB)
			0.41	0.14	-0.15	-0.17	0.01	-0.12	-0.21	0.10	0.23	0.09	0.53	-0.20	0.21	-0.57	ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	4683.3	235	557	881	1228	1585	1925	2262	2619	2971	3316	3688	3981	4358	4654	Measured Value (mV)
	SLOPE (mV/dB)	68.80	24	2	-18	-15	-2	-6	-13	0	8	9	37	-14	19	-29	Error (mV)
			0.35	0.03	-0.26	-0.22	-0.03	-0.09	-0.19	0.00	0.11	0.13	0.53	-0.21	0.27	-0.43	LINEARITY ERROR (dB)
			0.32	-0.01	-0.31	-0.27	-0.09	-0.16	-0.27	-0.09	0.01	0.02	0.42	-0.33	0.14	-0.57	ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	4714.6	246	575	896	1242	1599	1941	2285	2643	2995	3338	3708	4013	4387	4690	Measured Value (mV)
	SLOPE (mV/dB)	69.11	24	7	-17	-17	-6	-9	-11	2	8	6	30	-10	18	-25	Error (mV)
			0.34	0.10	-0.25	-0.25	-0.08	-0.13	-0.15	0.03	0.12	0.08	0.44	-0.15	0.26	-0.36	LINEARITY ERROR (dB)
			0.48	0.25	-0.09	-0.07	0.11	0.07	0.06	0.26	0.36	0.34	0.71	0.13	0.56	-0.05	ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	4673.3	220	530	861	1206	1562	1910	2250	2605	2945	3297	3674	3970	4350	4649	Measured Value (mV)
	SLOPE (mV/dB)	69.01	32	-3	-17	-17	-6	-3	-8	2	-3	4	36	-13	22	-24	Error (mV)
			0.46	-0.04	-0.25	-0.25	-0.09	-0.04	-0.12	0.03	-0.05	0.05	0.52	-0.19	0.31	-0.35	LINEARITY ERROR (dB)
			0.10	-0.40	-0.60	-0.59	-0.43	-0.38	-0.45	-0.30	-0.36	-0.26	0.21	-0.49	0.02	-0.64	ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	4682.2	226	534	865	1210	1566	1914	2256	2622	2961	3303	3684	3979	4356	4652	Measured Value (mV)
	SLOPE (mV/dB)	69.06	33	-5	-19	-19	-8	-6	-9	12	5	2	38	-13	19	-30	Error (mV)
			0.47	-0.07	-0.27	-0.28	-0.12	-0.08	-0.13	0.17	0.08	0.03	0.55	-0.18	0.28	-0.44	LINEARITY ERROR (dB)
			0.19	-0.34	-0.54	-0.53	-0.37	-0.32	-0.36	-0.05	-0.13	-0.17	0.36	-0.36	0.11	-0.60	ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	4722.2	229	539	869	1213	1571	1920	2265	2643	2996	3336	3706	4020	4388	4693	Measured Value (mV)
	SLOPE (mV/dB)	69.72	39	0	-19	-23	-14	-13	-17	12	17	8	30	-5	14	-29	Error (mV)
			0.55	0.00	-0.27	-0.33	-0.20	-0.19	-0.24	0.18	0.24	0.12	0.42	-0.07	0.21	-0.42	LINEARITY ERROR (dB)
			0.23	-0.27	-0.48	-0.49	-0.30	-0.23	-0.23	0.26	0.38	0.31	0.68	0.23	0.57	0.00	ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	4684.7	202	492	831	1170	1523	1880	2216	2612	2969	3293	3670	3978	4356	4653	Measured Value (mV)
	SLOPE (mV/dB)	69.76	52	-7	-17	-27	-23	-14	-27	20	28	4	32	-9	20	-32	Error (mV)
			0.74	-0.10	-0.24	-0.38	-0.32	-0.21	-0.39	0.29	0.41	0.05	0.45	-0.13	0.29	-0.45	LINEARITY ERROR (dB)
			-0.16	-0.95	-1.03	-1.12	-0.99	-0.81	-0.94	-0.19	-0.01	-0.31	0.16	-0.38	0.11	-0.58	ACCURACY ERROR (dB)
	Flatness	+/- dB	0.66	1.06	0.88	0.96	1.03	0.75	0.81	0.44	0.62	0.52	0.42	0.45	0.36	0.32	

-65dBm mV-Out	
293	Max
202	Min

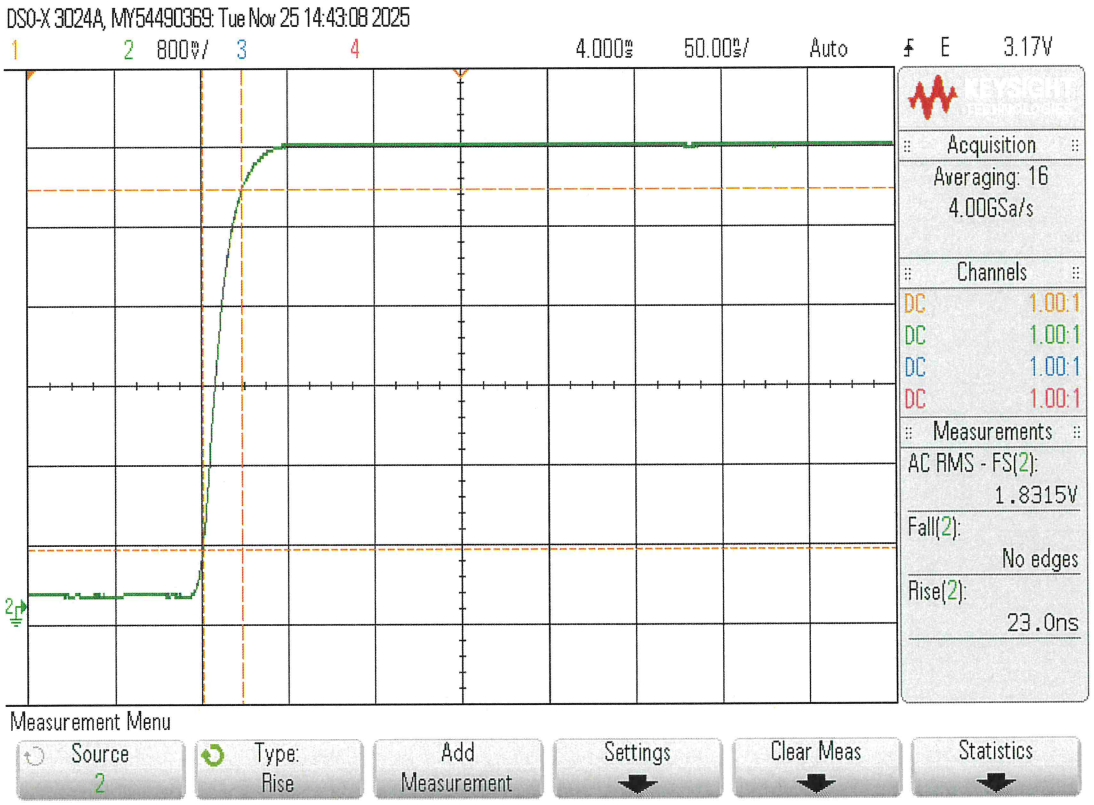




Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55703/2548

RISE TIME/SETTING TIME @ 0dBm

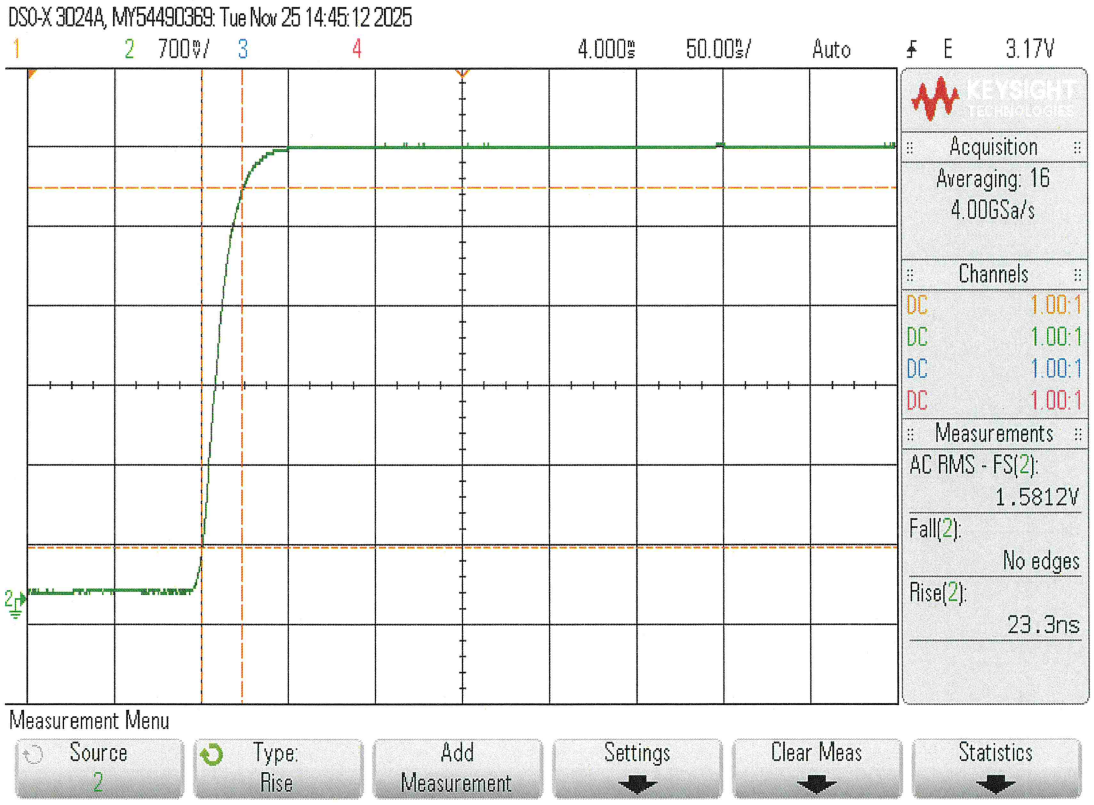


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55703/2548

RISE TIME/SETTING TIME @ -10dBm

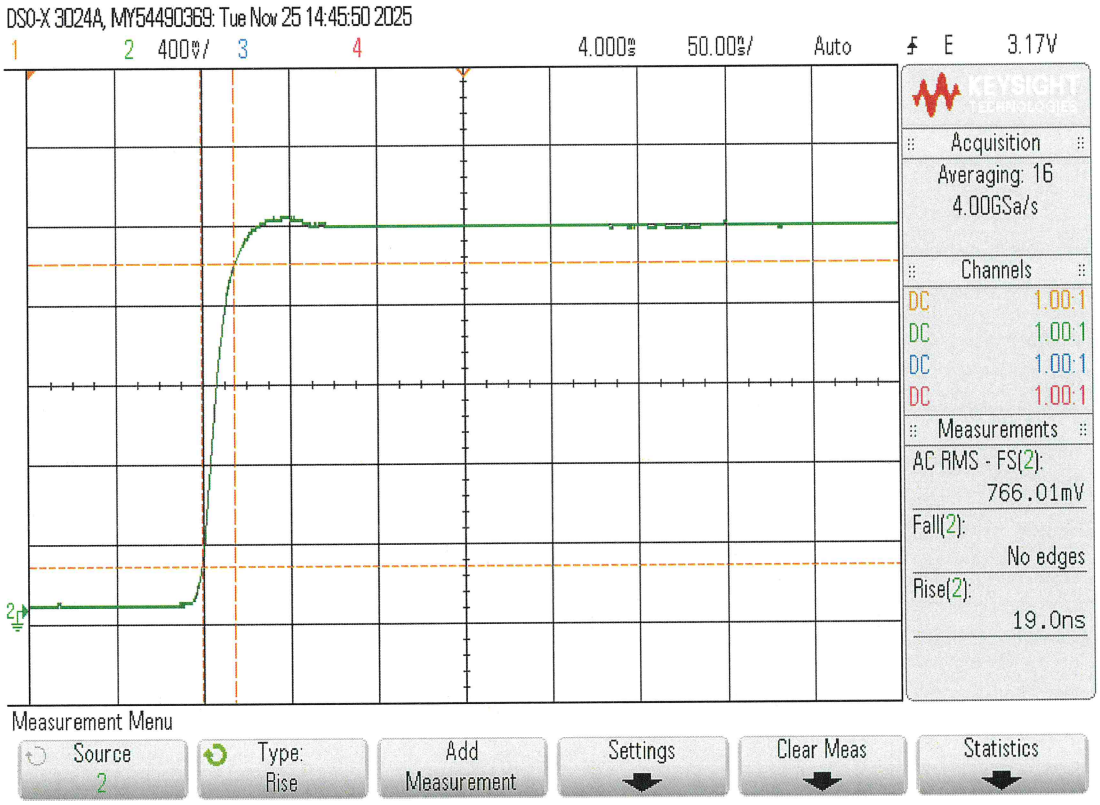


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55703/2548

RISE TIME/SETTING TIME @ -40dBm

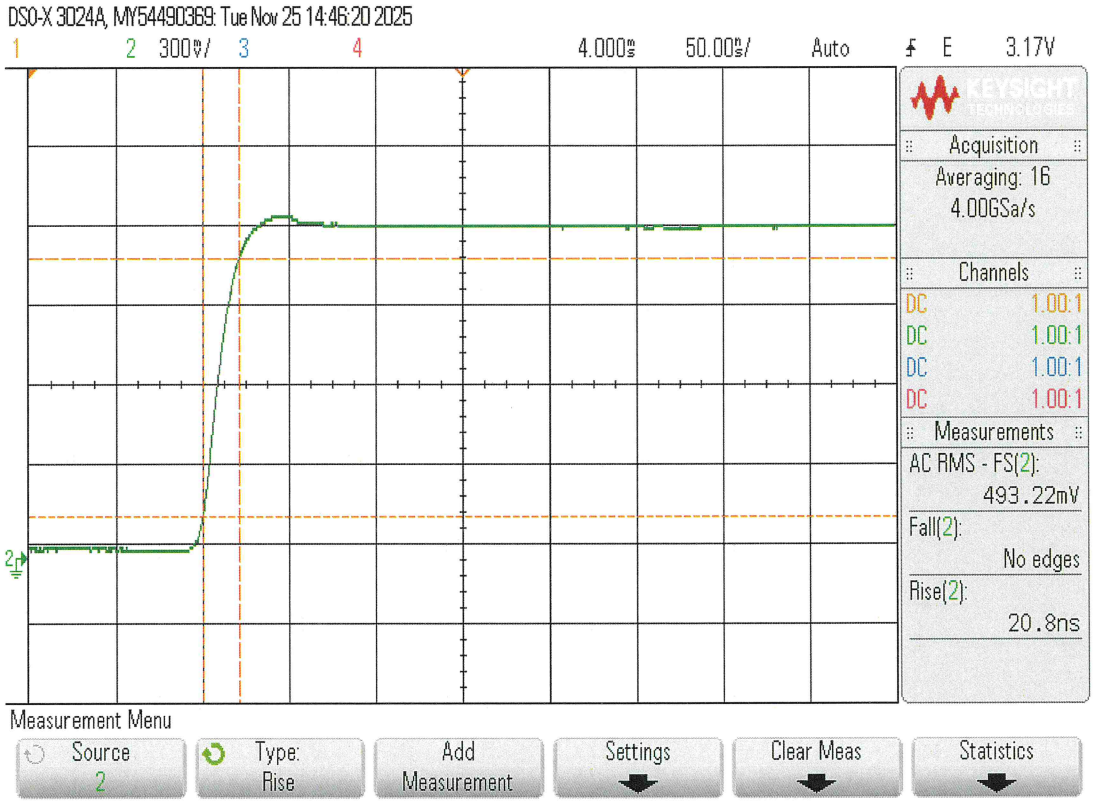


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55703/2548

RISE TIME/SETTING TIME @ -50dBm

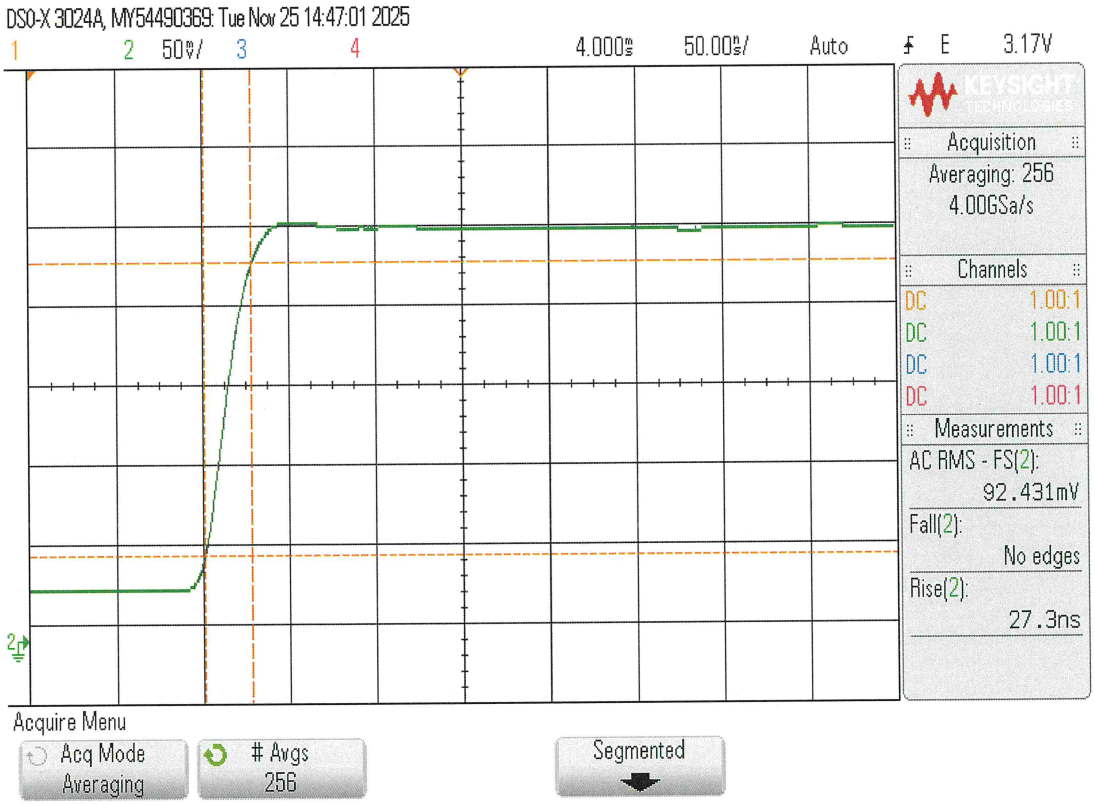


7309-A Grove Road Frederick, MD 21704 USA Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@quanticpmi.com

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

Serial No: PL55703/2548

RISE TIME/SETTING TIME @ -65dBm



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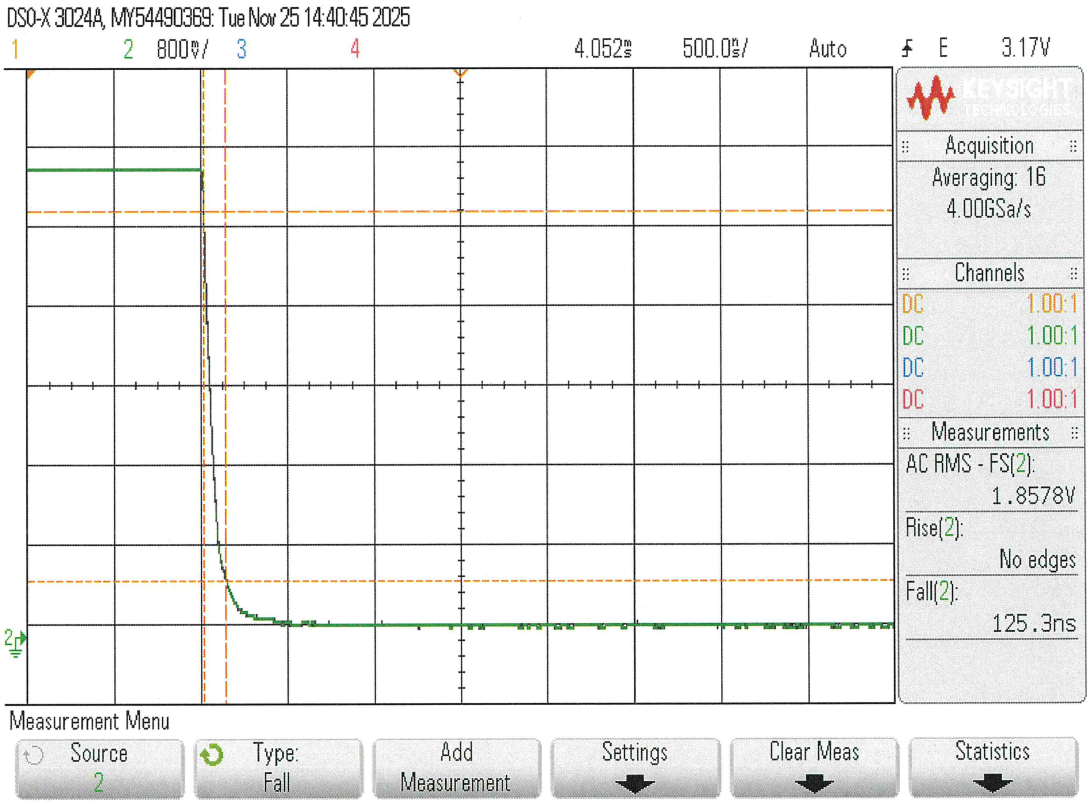
Summary Data
For
ERDLVA-8G18G-65-70MV-2

Serial No: PL55703/2548

RECOVERY TIME @ 0dBm



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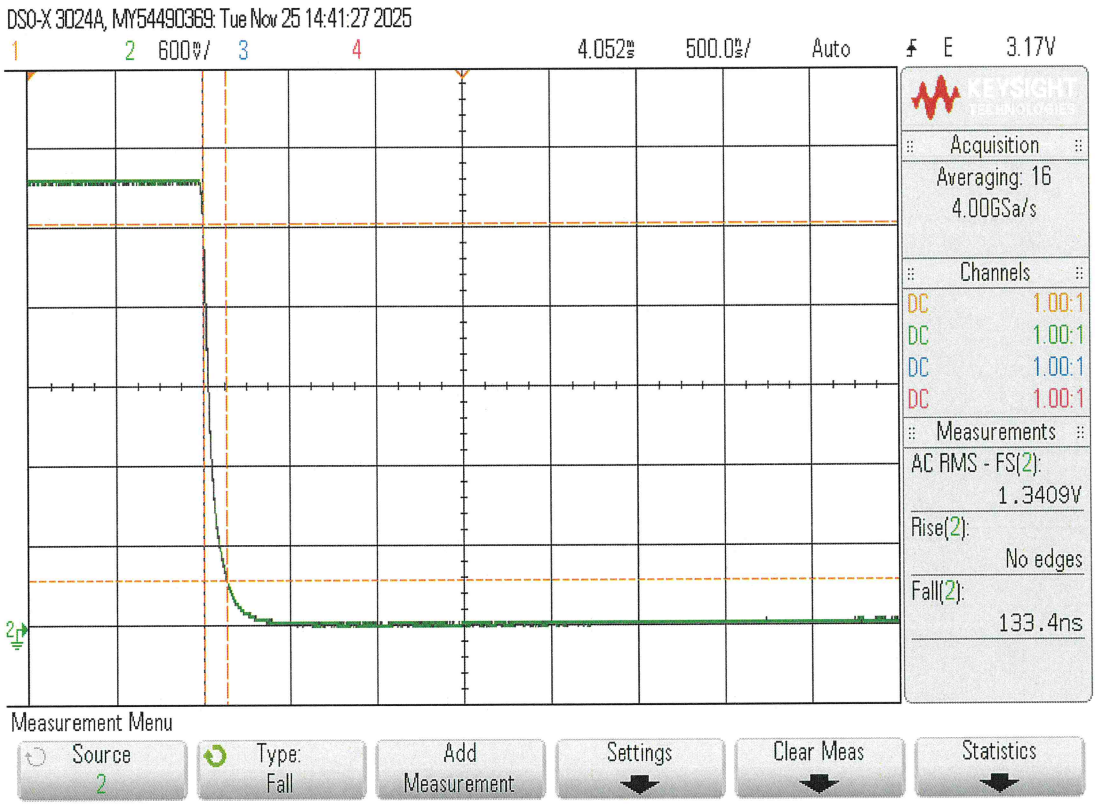
ERDLVA-8G18G-65-70MV-2

Serial No: PL55703/2548

RECOVERY TIME @ -20dBm



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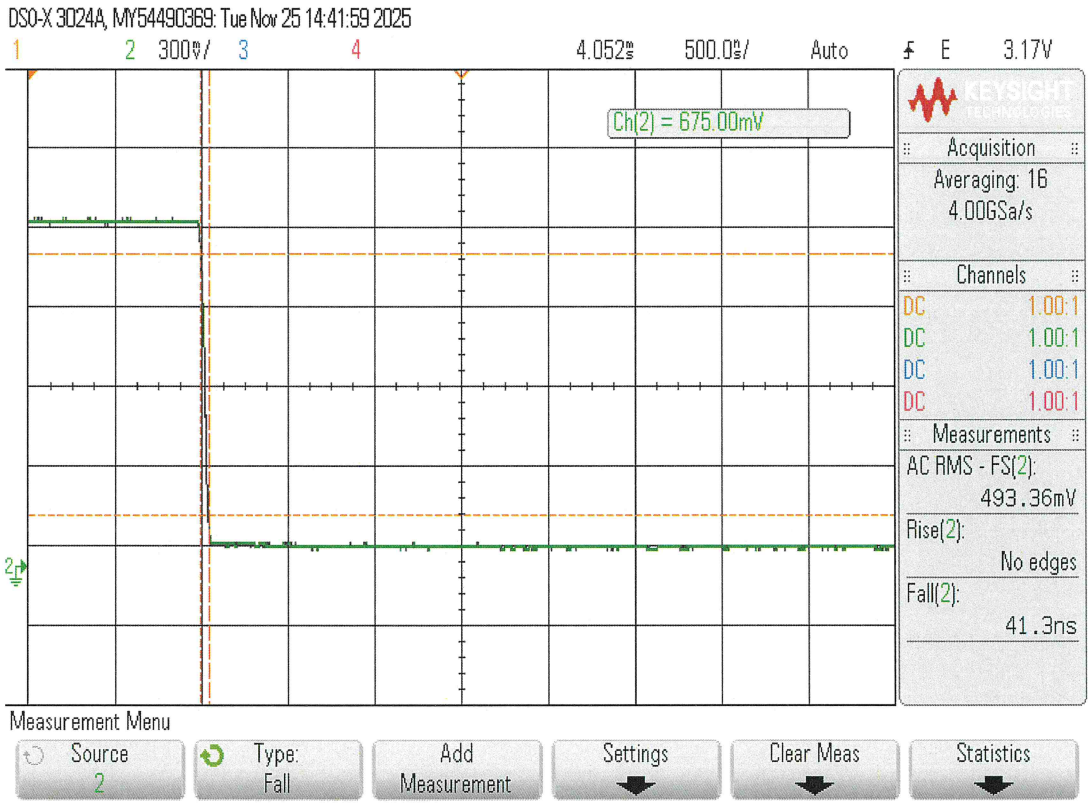
ERDLVA-8G18G-65-70MV-2

Serial No: PL55703/2548

RECOVERY TIME @ -50dBm



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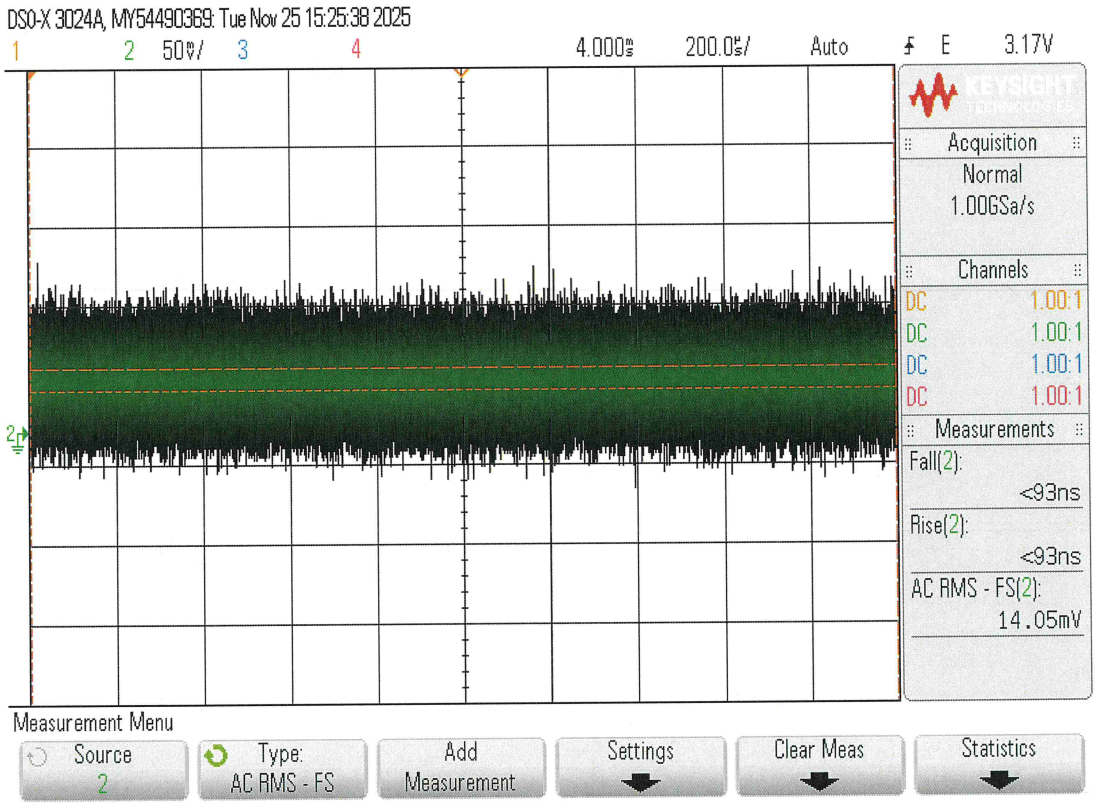
Serial No: PL55703/2548

RMS NOISE



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Summary Data
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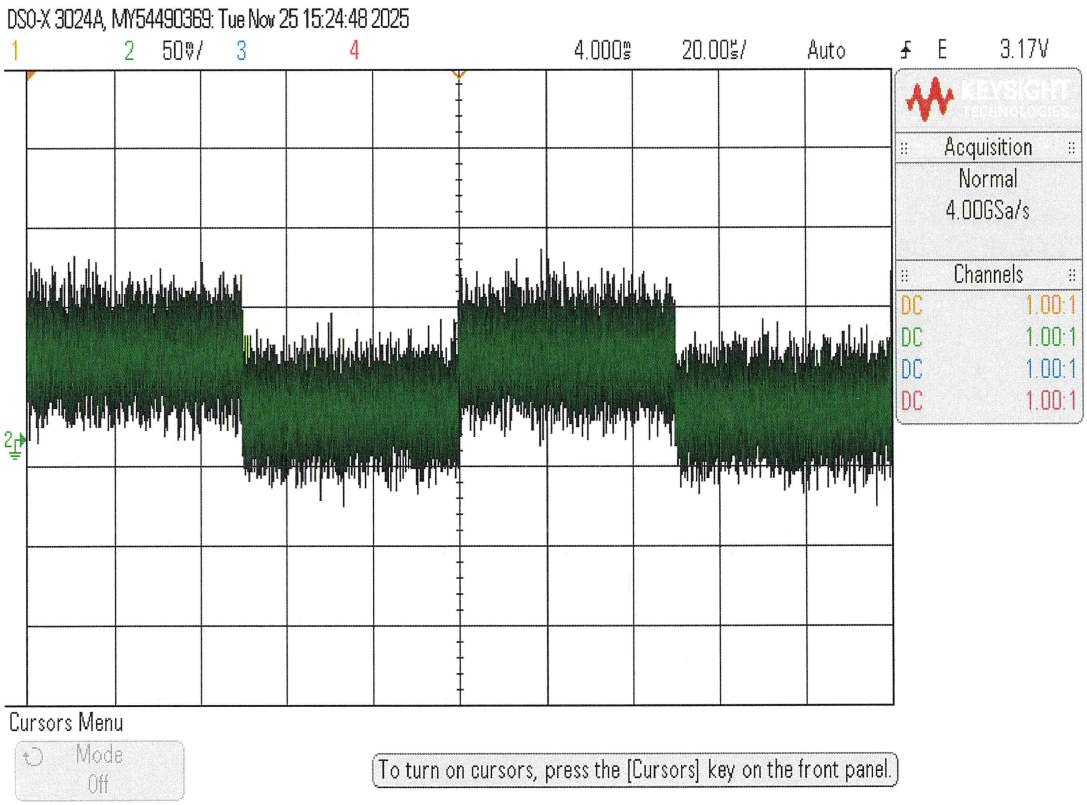
Serial No: PL55703/2548

TSS



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Summary Data
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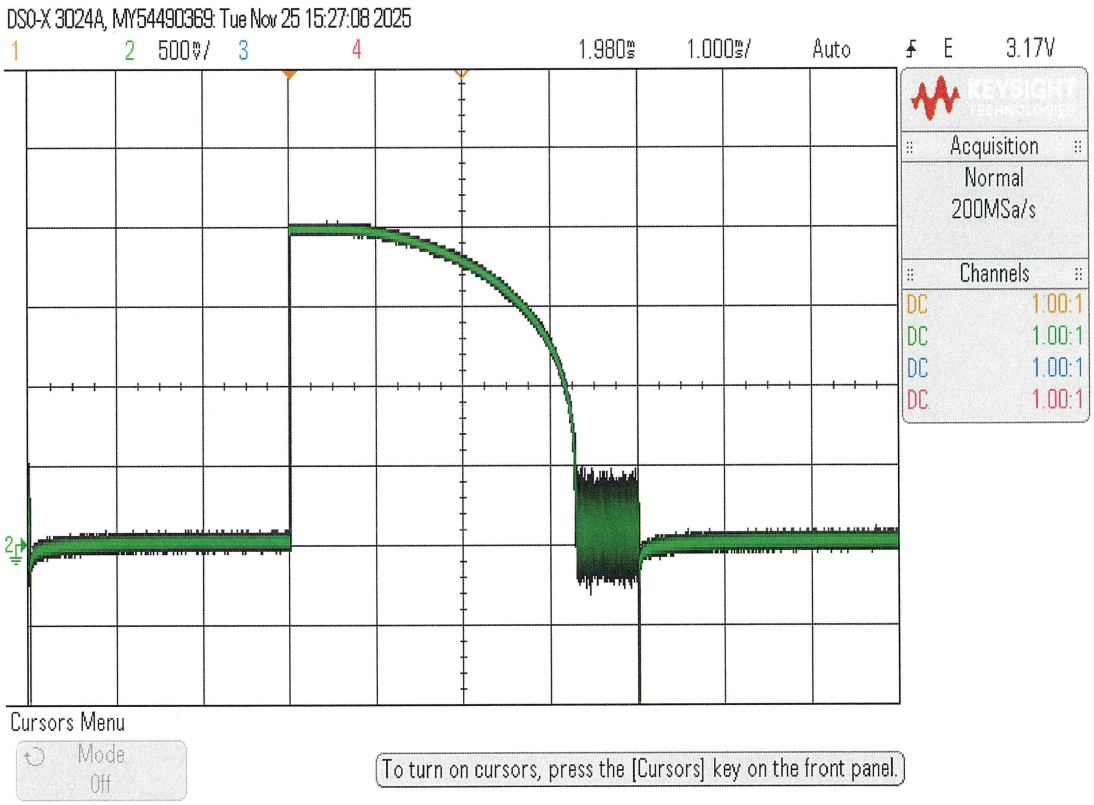
Serial No: PL55703/2548

CW IMMUNITY TIME



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Summary Data
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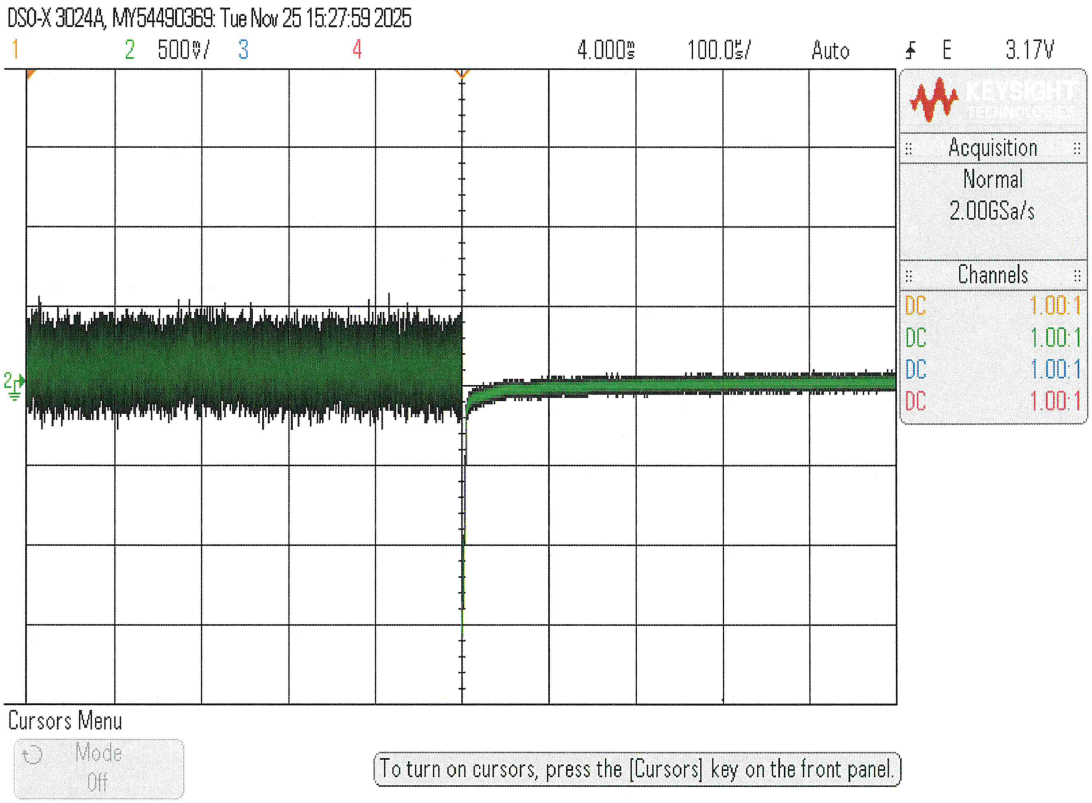
Serial No: PL55703/2548

CW RECOVERY TIME



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