



Customer:		Tested By:	DA
SO No:		Temperature:	+25°C , -54°C, +95°C
Model No:	DLVA-8G10G-75-50-SFF	Date:	06/19/24
Serial No:	PL46610/2425	Drawing No:	27631110 Rev: A3

QA/QC Approval: K. hu Date: 6-19-24

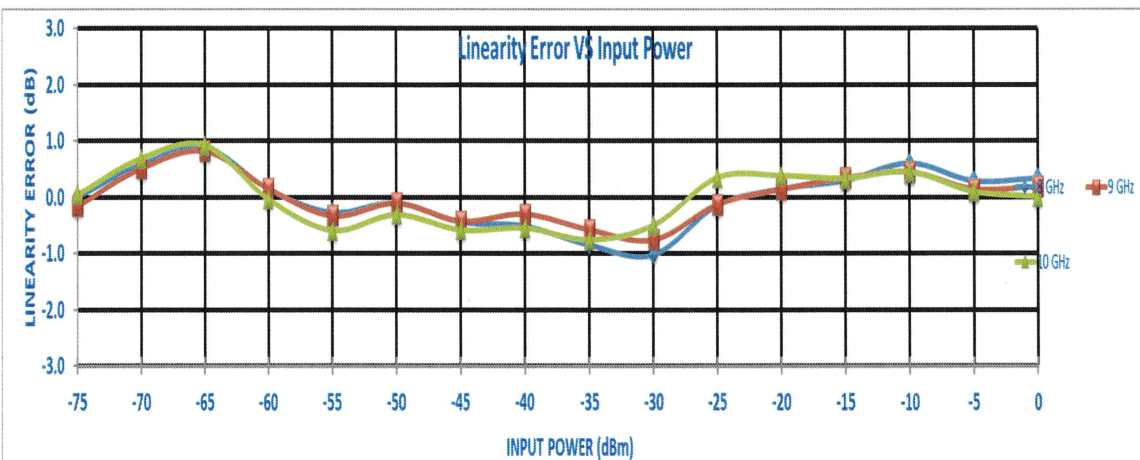
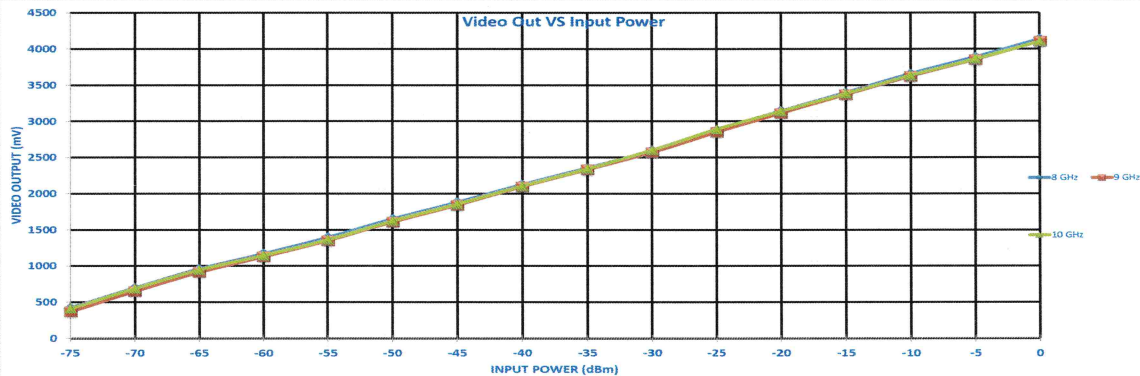


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL46610/2425

LOG TRANSFER @ +25C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 06/19/2024 SERIAL NO: PL46610 Test Temp: +25C														PLANAR MONOLITHICS INDUSTRIES 4921 Robert J. Mathews Parkway, Suite 1 El Dorado Hills, CA 95762 Phone: 916-542-1401 Fax: 301-662-1731 Email: sales@pmi-rf.com www.pmi-rf.com																													
Frequency														Output Vos= 0.074														RF Input Power (dBm)															
														-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0														
8 GHz	INTERCEPT (m) 4112													413	688	950	1160	1386	1641	1871	2114	2344	2582	2872	3133	3387	3649	3880	4129	Measured Value (mV)													
	SLOPE (mV/dB) 49.3													0	29	44	7	-13	-5	-21	-25	-42	-50	-7	7	15	30	14	17	Error (mV)													
														0.01	0.58	0.89	0.15	-0.27	-0.10	-0.44	-0.51	-0.85	-1.02	-0.14	0.15	0.30	0.61	0.29	0.34	LINEARITY ERROR (dB)													
9 GHz	INTERCEPT (m) 4093													368	649	912	1127	1351	1610	1842	2096	2330	2569	2848	3109	3367	3620	3853	4103	Measured Value (mV)													
	SLOPE (mV/dB) 49.6													-8	25	41	8	-16	-5	-21	-15	-29	-37	-6	7	17	22	7	10	Error (mV)													
														-0.16	0.51	0.82	0.16	-0.33	-0.10	-0.42	-0.30	-0.58	-0.75	-0.13	0.14	0.34	0.45	0.15	0.19	LINEARITY ERROR (dB)													
10 GHz	INTERCEPT (m) 4102													410	688	946	1145	1364	1624	1857	2105	2341	2600	2888	3136	3380	3632	3861	4103	Measured Value (mV)													
	SLOPE (mV/dB) 49.3													2	34	46	-2	-29	-15	-29	-27	-37	-24	17	19	17	22	5	1	Error (mV)													
														0.05	0.69	0.93	-0.03	-0.59	-0.31	-0.58	-0.54	-0.75	-0.50	0.35	0.38	0.34	0.45	0.10	0.01	LINEARITY ERROR (dB)													
Flatness +/-dB														0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.1	0.3	0.4	0.3	0.2	0.3	0.3	0.3														





SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL46610/2425

LOG TRANSFER @ -54C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 06/18/2024 SERIAL NO: PL46610 Test Temp: -54C										 PLANAR MONOLITHICS INDUSTRIES 4921 Robert J. Mathews Parkway, Suite 1 El Dorado Hills, CA 95762 Phone: 916-542-1401 Fax: 301-662-1731 Email: sales@pmi-rf.com www.pmi-rf.com																									
Output Vos= 0.091										RF Input Power (dBm)																									
Frequency										-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0										
8 GHz		INTERCEPT (m)		3972		SLOPE (mV/dB)		46.6		465	725	981	1194	1413	1626	1855	2083	2329	2544	2794	3048	3284	3539	3745	3972	Measured Value (mV)		Error (mV)		LINEARITY ERROR (dB)					
										-13	14	37	4	-16	-20	-25	-12	-30	-13	8	11	-30	6	0											
										-0.27	0.31	0.80	0.38	0.08	-0.35	-0.44	-0.54	-0.26	-0.65	-0.28	0.17	0.23	0.71	0.13	0.00										
9 GHz		INTERCEPT (m)		3949		SLOPE (mV/dB)		46.9		417	680	945	1155	1376	1594	1811	2051	2303	2516	2766	3019	3256	3505	3709	3961	Measured Value (mV)		Error (mV)		LINEARITY ERROR (dB)					
										-17	12	42	18	5	-12	-29	-23	-6	-27	-11	7	10	25	-6	12										
										-0.37	0.25	0.90	0.38	0.10	-0.25	-0.62	-0.50	-0.12	-0.58	-0.24	0.16	0.22	0.53	-0.12	0.26										
10 GHz		INTERCEPT (m)		3962		SLOPE (mV/dB)		46.5		460	722	976	1175	1397	1620	1846	2077	2329	2558	2801	3050	3278	3525	3726	3946	Measured Value (mV)		Error (mV)		LINEARITY ERROR (dB)					
										-13	16	37	4	-7	-16	-23	-25	-5	-9	2	18	13	28	-4	-16										
										-0.19	0.35	0.81	0.08	-0.15	-0.35	-0.49	-0.53	-0.11	-0.19	0.03	0.39	0.29	0.60	-0.08	-0.35										

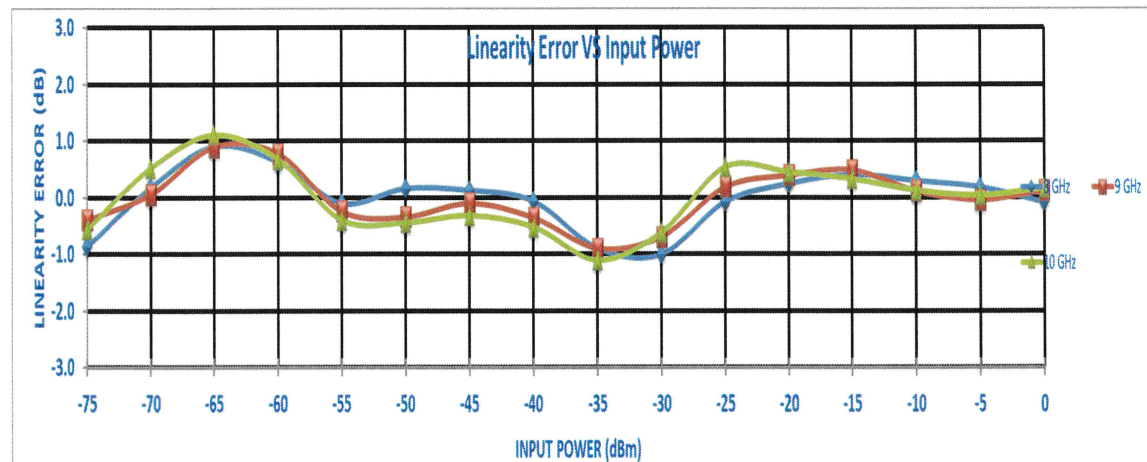
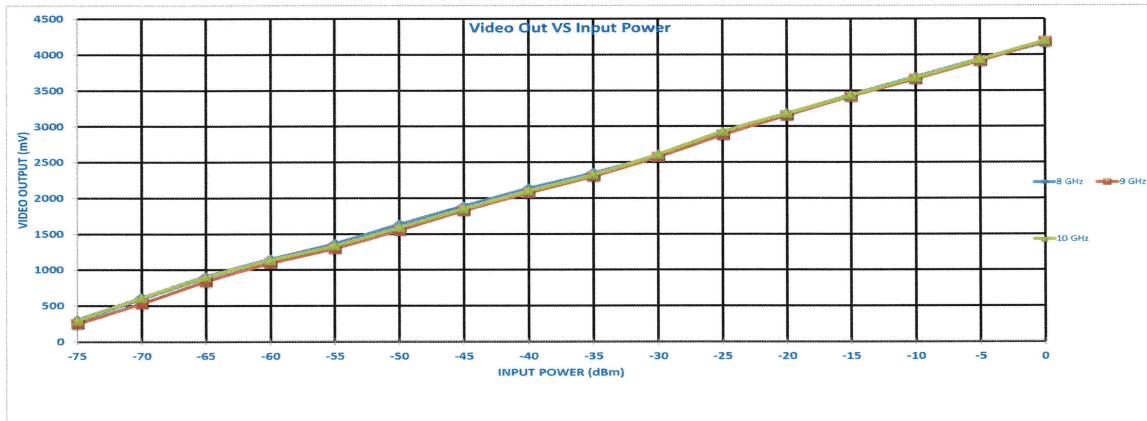


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL46610/2425

LOG TRANSFER @ +95C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 06/18/2024 SERIAL NO: PL46610 Test Temp: +95C		PLANAR MONOLITHICS INDUSTRIES 4821 Robert J. Mathews Parkway, Suite 1 El Dorado Hills, CA 95782 Phone: 916-542-1401 Fax: 301-662-1731 Email: sales@pmi-rf.com www.pmi-rf.com	
Frequency		Output Vos= 0.072	
		-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0	
8 GHz	INTERCEPT (m)	295 604 897 1139 1357 1626 1880 2126 2339 2589 2892 3164 3428 3678 3928 4170	
	SLOPE (mV/dB)	-45 9 46 32 -5 8 6 -3 -46 -51 -4 12 21 15 9 -4	
		-0.87 0.17 0.90 0.63 -0.10 0.16 0.13 -0.06 -0.90 -1.01 -0.08 0.24 0.40 0.29 0.18 -0.09	
9 GHz	INTERCEPT (m)	247 531 835 1089 1296 1551 1824 2071 2303 2574 2880 3151 3416 3657 3909 4178	
	SLOPE (mV/dB)	-21 3 47 41 -13 -18 -5 -18 -47 -36 10 21 25 6 -2 7	
		-0.39 0.06 0.90 0.78 -0.24 -0.34 -0.10 -0.35 -0.90 -0.69 0.19 0.40 0.49 0.12 -0.04 0.13	
10 GHz	INTERCEPT (m)	299 612 900 1135 1337 1592 1856 2103 2330 2613 2930 3183 3434 3681 3934 4198	
	SLOPE (mV/dB)	-29 27 57 35 -21 -23 -16 -27 -57 -32 28 23 17 6 2 9	
		-0.56 0.52 1.11 0.68 -0.40 -0.45 -0.32 -0.52 -1.11 -0.62 0.54 0.45 0.33 0.13 0.04 0.17	
Flatness +/-dB		0.5 0.8 0.6 0.5 0.6 0.7 0.5 0.5 0.3 0.4 0.5 0.3 0.2 0.2 0.2 0.3	
		Measured Value (mV) Error (mV) LINEARITY ERROR (dB)	



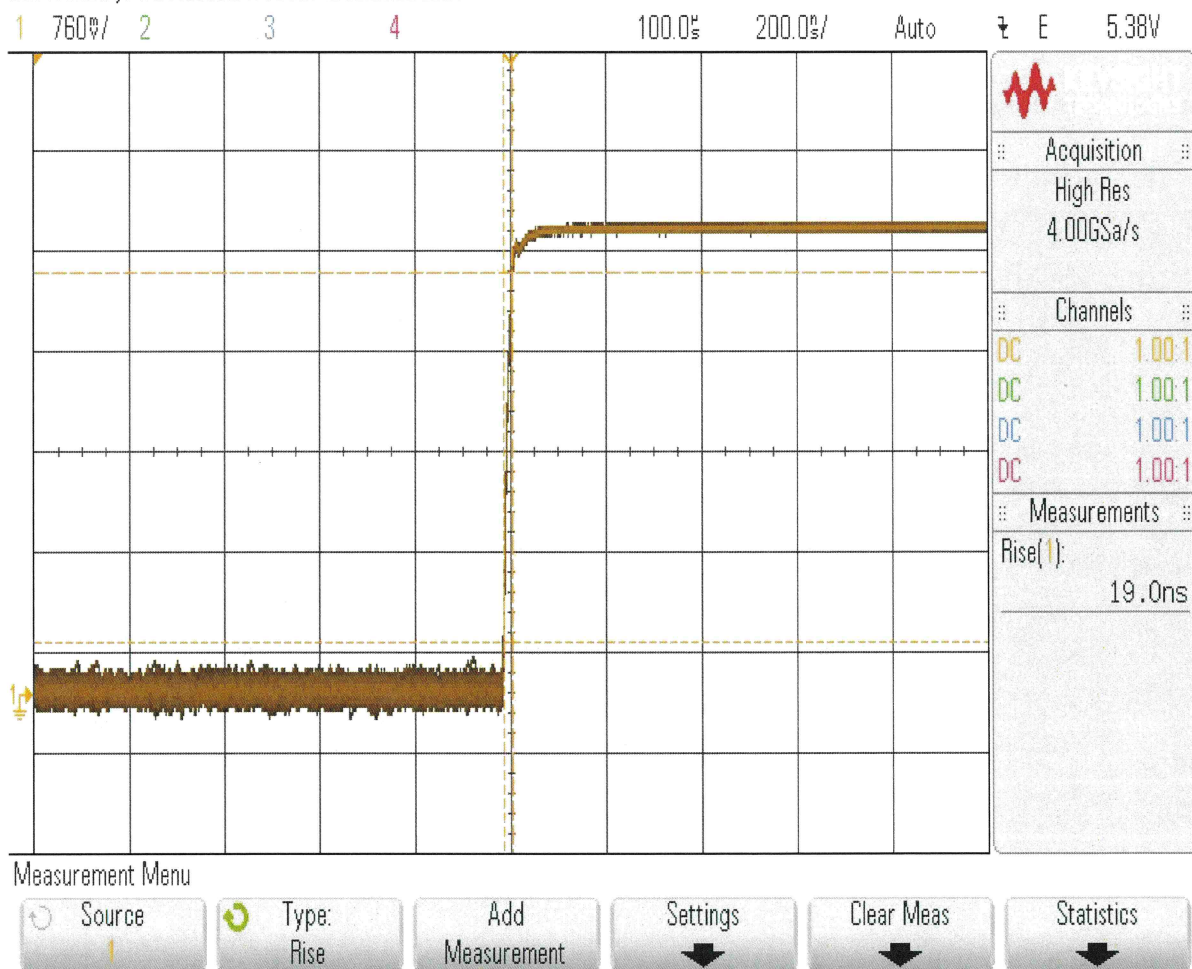


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL46610/2425

RISE TIME

DSO-X 3024A, MY54490369: Wed Jun 19 09:29:02 2024



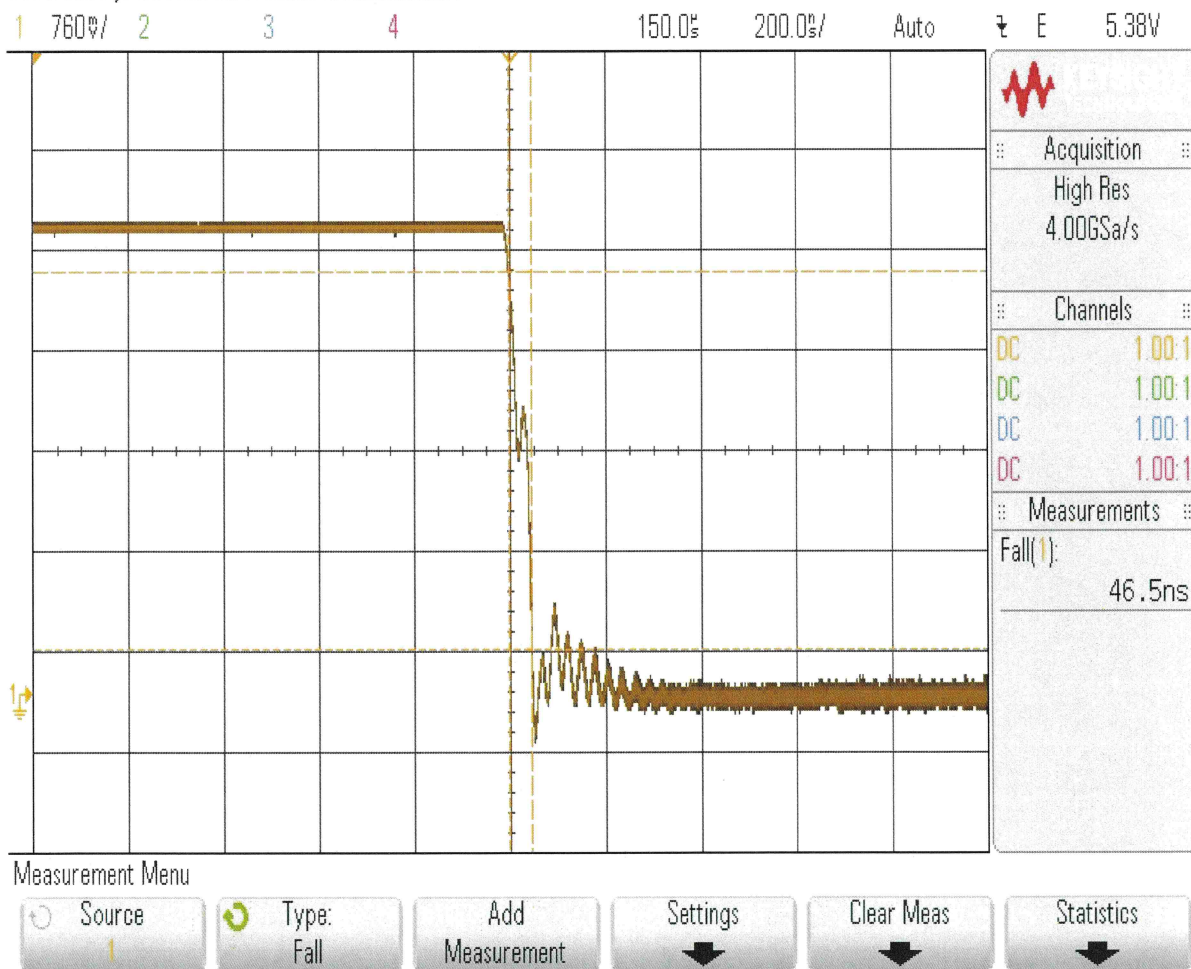


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL46610/2425

FALL/ RECOVERY TIME

DSO-X 3024A, MY54490369: Wed Jun 19 09:30:20 2024





**SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF**

PL46610/2425

TSS @ -79dBm

DSO-X 3024A, MY54490369: Wed Jun 19 09:31:36 2024

