



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

PL45446/2419

Customer:		Tested By:	DA
SO No:		Temperature:	+25°C , -54°C, +95°C
Model No:	DLVA-8G10G-75-50-SFF	Date:	05/10/24
Serial No:	PL45446/2419	Drawing No:	27631110
		Rev:	A3

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	8 GHz – 10 GHz	8 GHz to 10 GHz	PMI QA3
2	Flatness	± 1.2 dB	± 1.0 dB (See Plots)	
3	TSS	-78dBm	-79dBm	
4	Log Dynamic Range	-75 to 0dBm	-75 TO 0dBm (See Plots)	
5	Log Slope	50mV/dB ± 4mV/dB	50mV/dB± 2.05mV/dB (See Plots)	
6	Log Linearity	± 1.8 dB Max.	± 1.67 dB (See Plots)	
7	DC Offset	50mV ± 50mV	50mV ± 49mV	
8	Rise Time	30 ns Max.	27.8ns	
9	Fall Time	150ns	<100ns	
10	Recovery Time	500 ns for 10.0 us PW	100ns	
11	DC Supply	+15VDC @ 350 mA -15VDC @ 100 mA	208 mA 64 mA	

QA/QC Approval: K. L. L. L. Date: 5-10-24

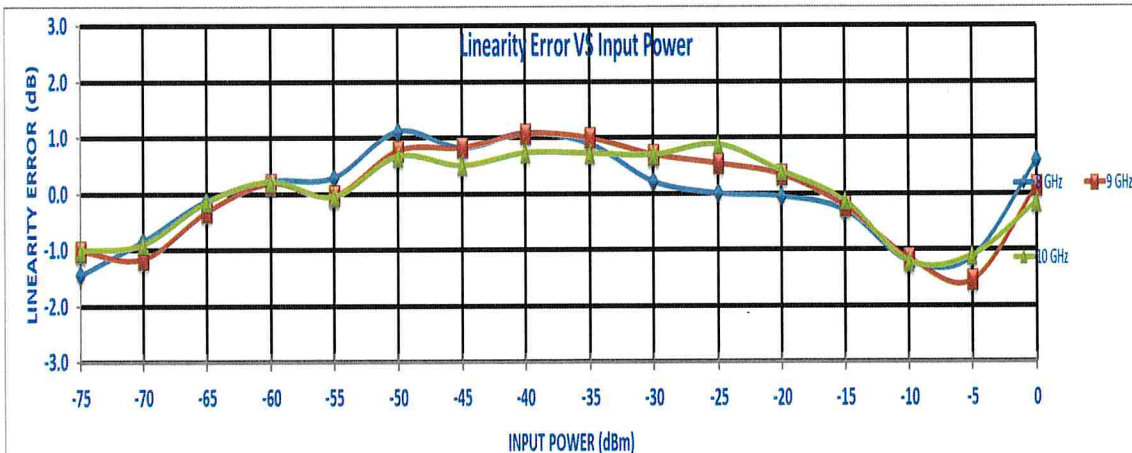
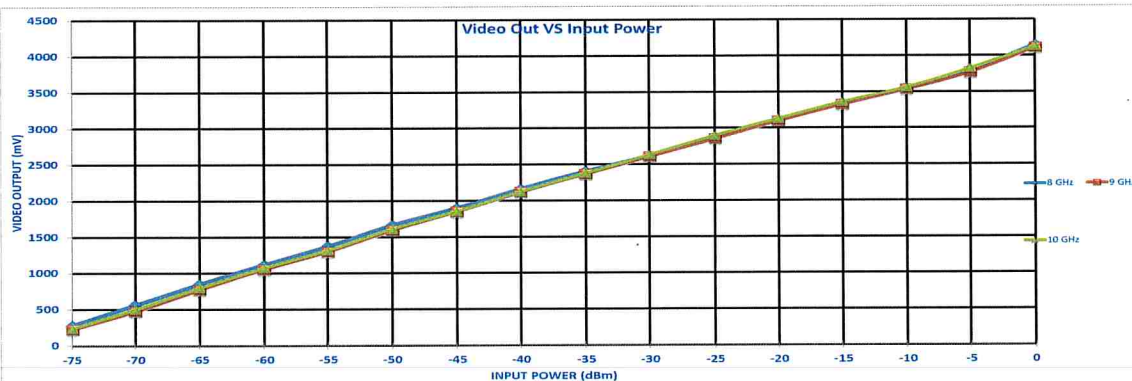


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL45446/2419

LOG TRANSFER @ +25C

LOG TRANSFER WITH FREQUENCY																		
MODEL: DLVA-8G10G-75-50-SFF																		
TESTED BY: DA																		
DATE: 04/10/2024																		
SERIAL NO: PL45446																	PLANAR MONOLITHICS INDUSTRIES	
Test Temp: +25C																	4921 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= 0.069															RF Input Power (dBm)	
		-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	
8 GHz	INTERCEPT (m)	273	554	841	1109	1363	1655	1891	2155	2396	2613	2853	3101	3339	3544	3799	4136	Measured Value (mV)
	SLOPE (mV/dB)	-73	-43	-6	11	14	55	41	54	44	11	0	-3	-16	-61	-57	29	Error (mV)
		-1.45	-0.85	-0.13	0.22	0.28	1.11	0.81	1.08	0.88	0.21	0.00	-0.06	-0.31	-1.22	-1.14	0.58	LINEARITY ERROR (dB)
9 GHz	INTERCEPT (m)	216	464	762	1043	1287	1583	1841	2109	2360	2600	2847	3092	3318	3526	3761	4102	Measured Value (mV)
	SLOPE (mV/dB)	-52	-59	-17	9	-2	39	42	55	50	35	27	17	-12	-59	-80	6	Error (mV)
		-1.02	-1.16	-0.32	0.18	-0.04	0.76	0.82	1.07	0.99	0.69	0.53	0.33	-0.24	-1.16	-1.56	0.12	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (m)	232	494	789	1064	1307	1600	1848	2116	2372	2627	2893	3125	3354	3555	3817	4122	Measured Value (mV)
	SLOPE (mV/dB)	-52	-46	-8	11	-3	34	25	37	37	35	45	20	-7	-63	-57	-8	Error (mV)
		-1.01	-0.91	-0.15	0.21	-0.05	0.66	0.50	0.72	0.71	0.69	0.87	0.40	-0.14	-1.22	-1.11	-0.16	LINEARITY ERROR (dB)
Flatness +/-dB		0.6	0.9	0.8	0.6	0.7	0.7	0.5	0.5	0.4	0.3	0.5	0.3	0.4	0.3	0.5	0.3	



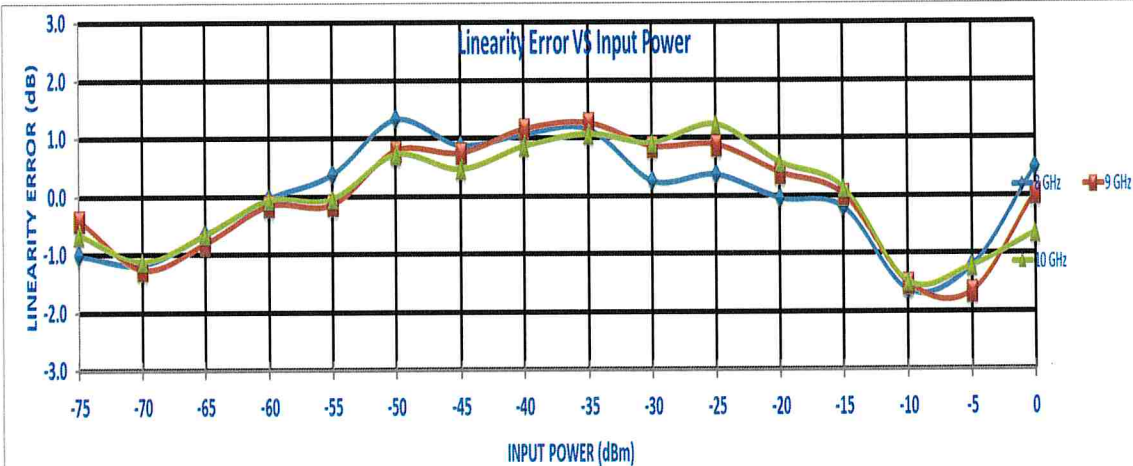
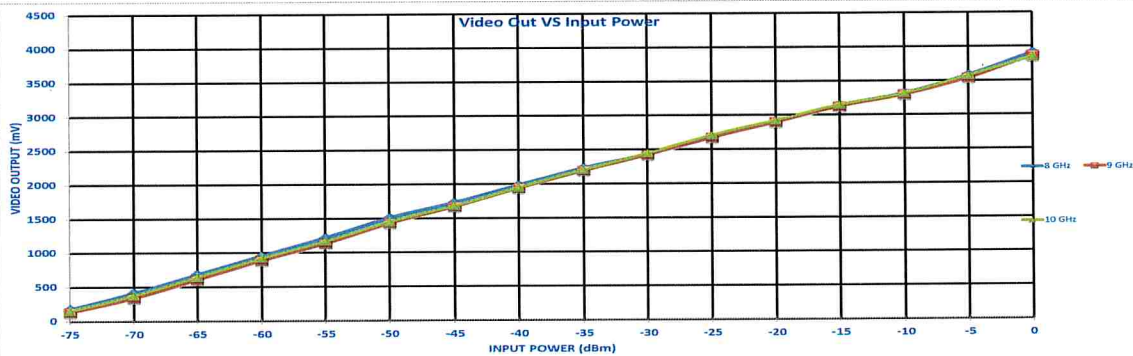


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL45446/2419

LOG TRANSFER @ -54C

LOG TRANSFER WITH FREQUENCY																	
MODEL: DLVA-8G10G-75-50-SFF																	
TESTED BY: DA																	
DATE: 05/10/2024																	
SERIAL NO: PL45446																	
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= 0.01																	
Frequency																	
-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0																	
RF Input Power (dBm)																	
8 GHz		INTERCEPT (m) 3874														Measured Value (mV)	
		SLOPE (mV/dB) 48.8															Error (mV)
		-1.01 -1.17 -0.65 -0.03 0.38 1.33 0.88 1.07 1.16 0.26 0.37 -0.04 -0.20 -1.63 -1.22 0.49															
9 GHz		INTERCEPT (m) 3858														Measured Value (mV)	
		SLOPE (mV/dB) 49.6															Error (mV)
		-0.42 -1.27 -0.82 -0.17 -0.15 0.78 0.74 1.14 1.25 0.84 0.87 0.38 0.00 -1.53 -1.67 0.03															
10 GHz		INTERCEPT (m) 3872														Measured Value (mV)	
		SLOPE (mV/dB) 49.3															Error (mV)
		-0.33 -0.67 -1.12 -0.67 -0.07 -0.04 0.72 0.46 0.86 1.07 0.92 1.23 0.57 0.13 -1.50 -1.23 -0.65															
Flatness +/-dB		0.5 0.8 0.8 0.7 0.9 0.8 0.6 0.5 0.4 0.3 0.4 0.3 0.3 0.2 0.4 0.6															





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

PL45446/2419

LOG TRANSFER @ +95C

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Frequency													<table><tr><td>-75</td><td>-70</td><td>-65</td><td>-60</td><td>-55</td><td>-50</td><td>-45</td><td>-40</td><td>-35</td><td>-30</td><td>-25</td><td>-20</td><td>-15</td><td>-10</td><td>-5</td><td>0</td></tr></table>													-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)																																																				
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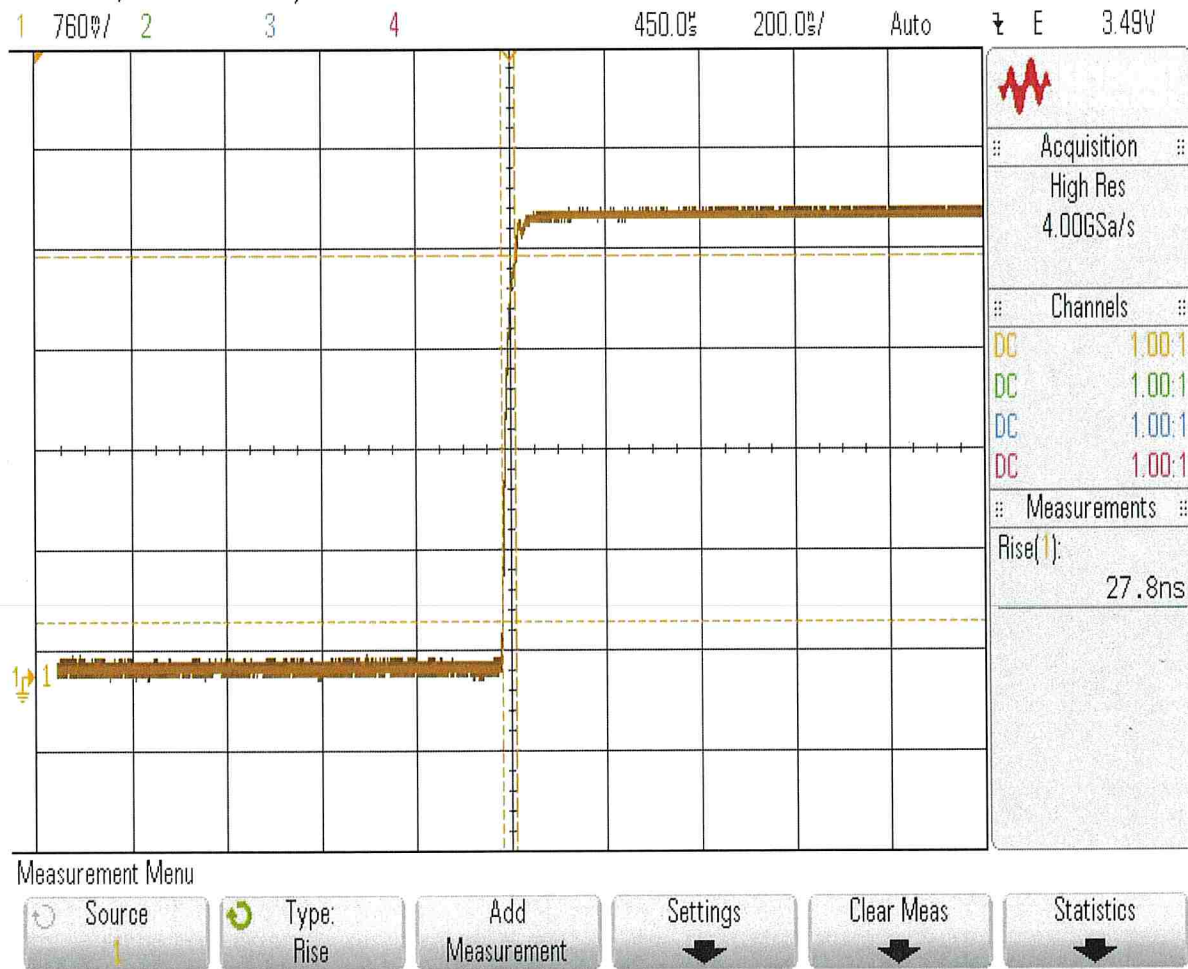


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL45446/2419

RISE TIME

DSO-X 3024A, MY54490369, Fri May 10 09:24:27 2024



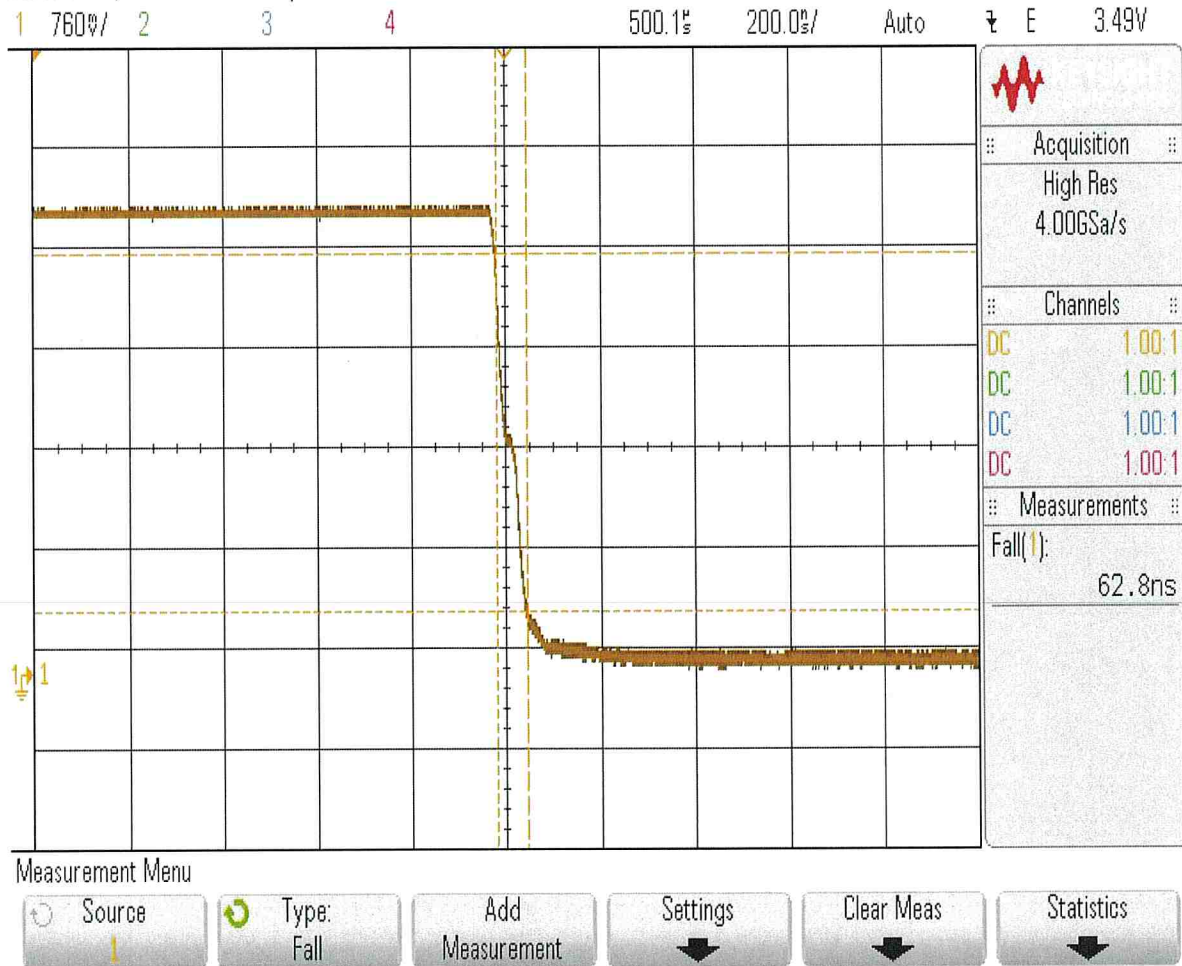


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL45446/2419

FALL/ RECOVERY TIME

DSO-X 3024A, MY54490369: Fri May 10 09:25:25 2024





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

PL45446/2419

TSS @ -79dBm

DSO-X 3024A, MY54490369: Fri May 10 09:22:41 2024

