



Customer:		Tested By:	DA
SO No:		Temperature:	+25°C, -54°C, +95°C
Model No:	DLVA-8G10G-75-50-SFF	Date:	03/25/24
Serial No:	PL45157/2413	Drawing No:	27631110
		Rev:	A3

QA/QC Approval: K. Hunter Date: 3-26-24

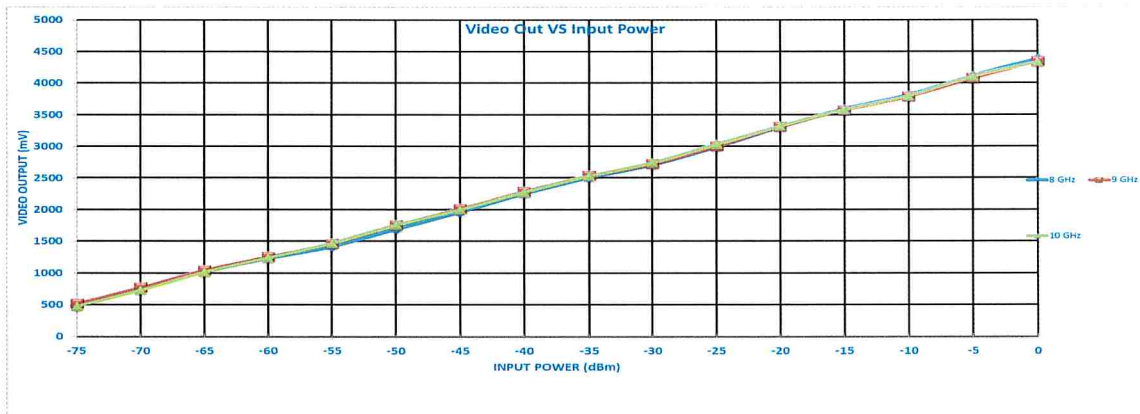


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL45157/2413

LOG TRANSFER @ +25C

LOG TRANSFER WITH FREQUENCY		PMI	
MODEL: DLVA-8G10G-75-50-SFF		PLANAR MONOLITHICS INDUSTRIES	
TESTED BY: DA		4921 Robert J. Mathews Parkway, Suite 1	
DATE: 03/25/2024		El Dorado Hills, CA 95762	
SERIAL NO: PL45157		Phone: 916-542-1401 Fax: 301-662-1731	
Test Temp: +25C		Email: sales@pmi-rf.com www.pmi-rf.com	
Output Vos= 0.041			
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) 4328	488 750 1023 1234 1420 1697 1968 2257 2510 2713 2993 3308 3582 3803 4104 4376	Measured Value (mV)
	SLOPE (mV/dB) 51.7	38 41 56 8 -64 -46 -33 -3 -8 -64 -43 14 29 -8 34 48	Error (mV)
		0.74 0.80 1.08 0.16 -1.24 -0.88 -0.64 -0.06 -0.16 -1.24 -0.82 0.27 0.57 -0.16 0.66 0.92	LINEARITY ERROR (dB)
9 GHz	INTERCEPT (m) 4314	521 781 1049 1264 1470 1765 2020 2292 2539 2727 3011 3315 3575 3789 4080 4348	Measured Value (mV)
	SLOPE (mV/dB) 50.8	17 23 37 -2 -50 -9 -8 10 3 -63 -33 17 23 -17 20 34	Error (mV)
		0.34 0.45 0.73 -0.04 -0.98 -0.18 -0.16 0.19 0.06 -1.24 -0.65 0.33 0.45 -0.34 0.39 0.66	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (m) 4340	478 738 1020 1245 1476 1767 2007 2280 2538 2749 3044 3328 3586 3803 4113 4336	Measured Value (mV)
	SLOPE (mV/dB) 51.6	5 5 31 -2 -28 5 -13 2 2 -44 -7 19 19 -21 31 -4	Error (mV)
		0.09 0.10 0.60 -0.03 -0.55 0.09 -0.25 0.04 0.05 -0.86 -0.14 0.37 0.38 -0.41 0.60 -0.08	LINEARITY ERROR (dB)
Flatness +/-dB		0.4 0.4 0.3 0.3 0.6 0.7 0.5 0.3 0.3 0.4 0.5 0.2 0.1 0.1 0.3 0.4	





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

PL45157/2413

LOG TRANSFER @ -54C

LOG TRANSFER WITH FREQUENCY

MODEL: DLVA-8G10G-75-50-SFF

TESTED BY: DA

DATE: 03/25/2024

SERIAL NO: PL45157

Test Temp: -54C

Output Vos= 0.045

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

	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
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8 GHz

INTERCEPT (m)	441	693	976	1210	1420	1699	1958	2221	2484	2658	2943	3208	3425	3578	3860	4129	Measured Value (mV)
SLOPE (mV/dB)	-33	-25	13	3	-31	3	18	37	55	-15	26	46	19	-72	-35	-10	Error (mV)
	-0.67	-0.52	0.27	0.06	-0.64	0.07	0.37	0.75	1.13	-0.31	0.53	0.95	0.39	-1.48	-0.71	-0.20	LINEARITY ERROR (dB)

9 GHz

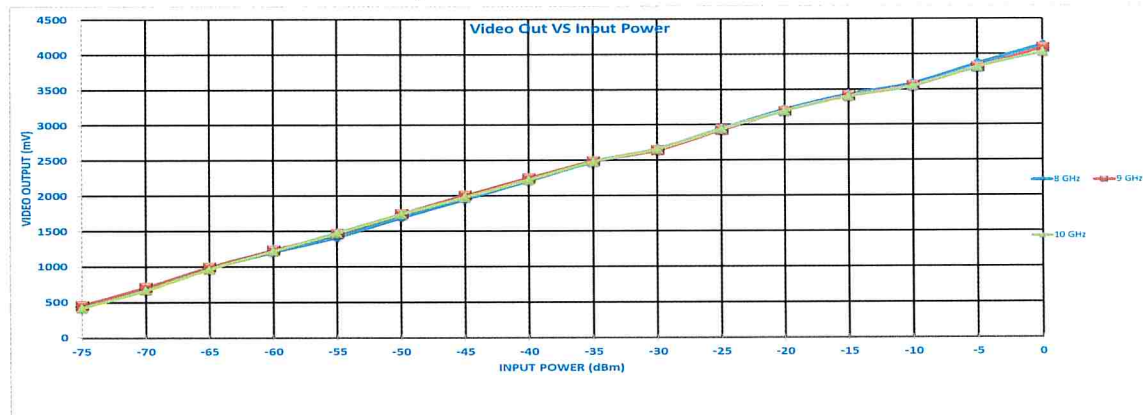
INTERCEPT (m)	462	716	998	1240	1471	1751	2011	2255	2495	2648	2933	3201	3412	3558	3817	4094	Measured Value (mV)
SLOPE (mV/dB)	-60	-45	-3	0	-8	33	53	58	59	-27	19	47	19	-74	-54	-17	Error (mV)
	-1.26	-0.95	-0.06	0.00	-0.17	0.68	1.12	1.22	1.23	-0.57	0.39	0.99	0.40	-1.55	-1.14	-0.35	LINEARITY ERROR (dB)

10 GHz

INTERCEPT (m)	424	673	969	1224	1480	1745	1985	2230	2486	2665	2947	3198	3402	3547	3820	4027	Measured Value (mV)
SLOPE (mV/dB)	-77	-68	-12	3	19	44	44	49	65	4	45	56	20	-75	-42	-75	Error (mV)
	-1.60	-1.41	-0.25	0.06	0.39	0.91	0.91	1.01	1.35	0.07	0.95	1.17	0.42	-1.56	-0.87	-1.56	LINEARITY ERROR (dB)

Flatness +/-dB

	0.4	0.4	0.3	0.3	0.6	0.5	0.6	0.4	0.1	0.2	0.1	0.1	0.2	0.3	0.4	1.1	
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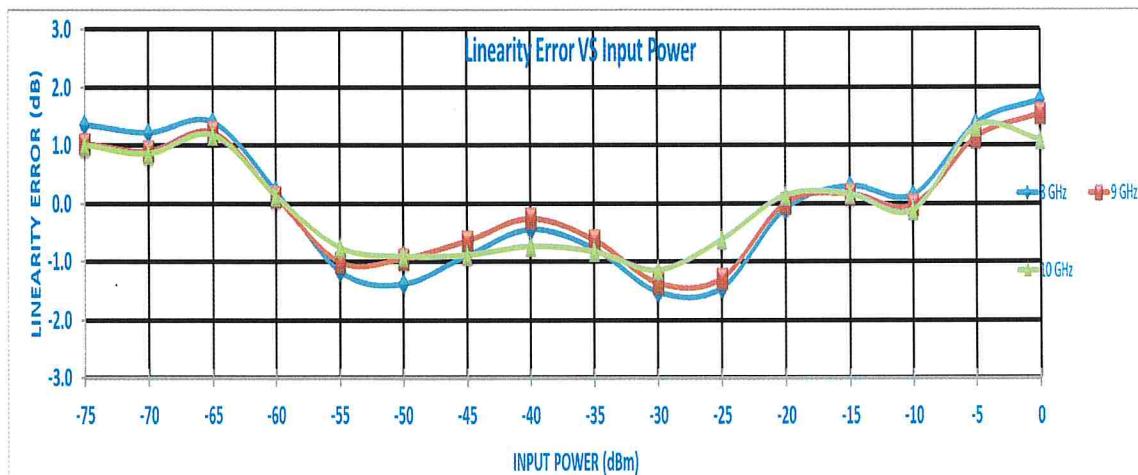
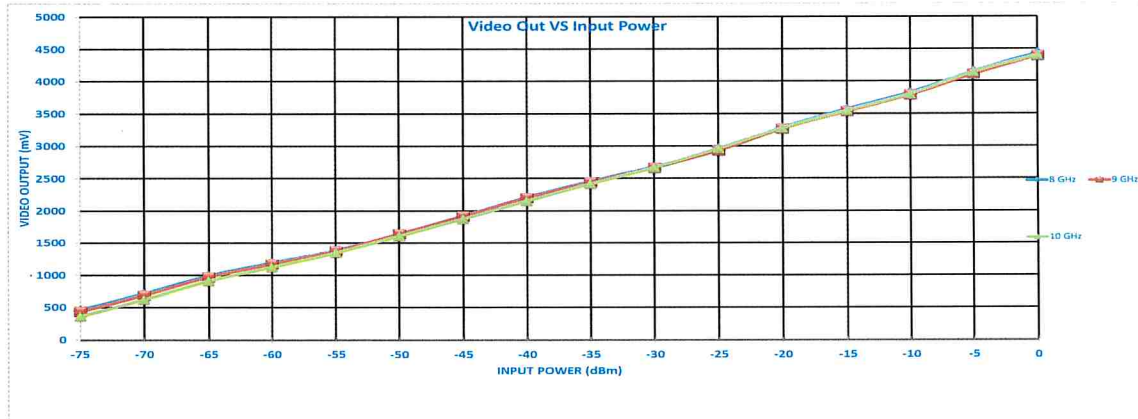


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL45157/2413

LOG TRANSFER @ +95C

LOG TRANSFER WITH FREQUENCY		PMI	
MODEL: DLVA-8G10G-75-50-SFF		PLANAR MONOLITHICS INDUSTRIES	
TESTED BY: DA		4921 Robert J. Mathews Parkway, Suite 1	
DATE: 03/25/2024		El Dorado Hills, CA 95762	
SERIAL NO: PL45157		Phone: 916-542-1401 Fax: 301-662-1731	
Test Temp: +95C		Email: sales@pmi-rf.com www.pmi-rf.com	
Frequency		Output Vos= 0.054	
		RF Input Power (dBm)	
		-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0	
8 GHz	INTERCEPT (m)	452 708 981 1182 1372 1624 1913 2200 2446 2670 2937 3272 3556 3811 4139 4424	
	SLOPE (mV/dB)	72 64 74 12 -62 -73 -47 -24 -41 -80 -77 -5 16 7 72 94	
		1.36 1.22 1.40 0.22 -1.17 -1.39 -0.90 -0.45 -0.78 -1.53 -1.46 -0.10 0.30 0.14 1.37 1.78	
9 GHz	INTERCEPT (m)	436 691 970 1174 1377 1642 1920 2202 2445 2668 2934 3264 3534 3786 4109 4392	
	SLOPE (mV/dB)	54 47 64 6 -53 -50 -34 -14 -32 -71 -67 1 9 -1 60 81	
		1.04 0.90 1.23 0.12 -1.00 -0.95 -0.64 -0.26 -0.62 -1.36 -1.29 0.01 0.16 -0.03 1.14 1.54	
10 GHz	INTERCEPT (m)	368 627 913 1126 1347 1608 1878 2155 2419 2671 2968 3278 3548 3802 4148 4405	
	SLOPE (mV/dB)	65 47 64 8 -40 -48 -47 -39 -44 -61 -33 8 9 -6 71 59	
		1.01 0.87 1.18 0.14 -0.75 -0.90 -0.88 -0.73 -0.82 -1.14 -0.62 0.15 0.17 -0.11 1.32 1.10	
Flatness +/-dB		0.8 0.8 0.6 0.5 0.3 0.3 0.4 0.4 0.3 0 0.3 0.1 0.2 0.2 0.4 0.3	
		Measured Value (mV)	
		Error (mV)	
		LINEARITY ERROR (dB)	



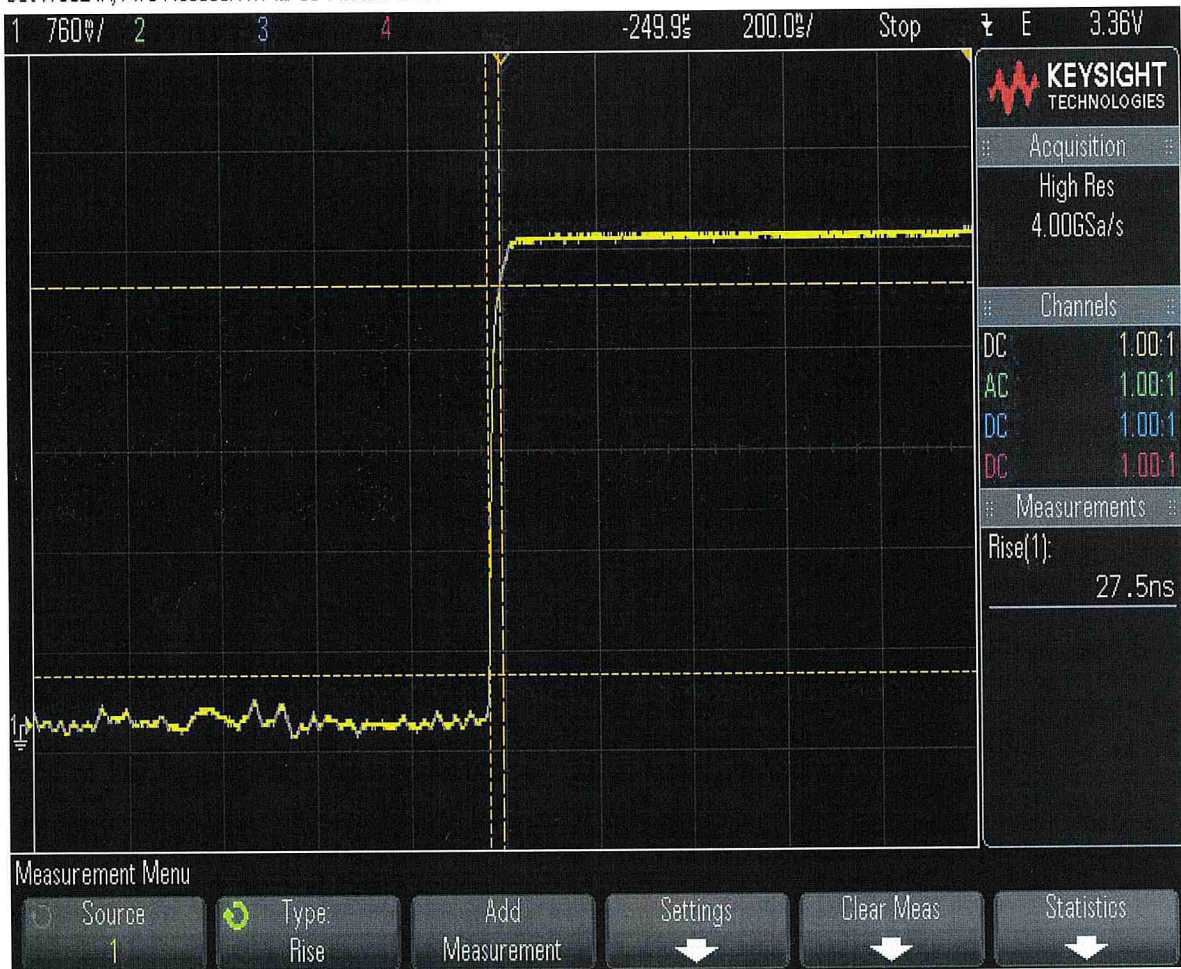


**SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF**

PL45157/2413

RISE TIME

DSO-X 3024A, MY54490369, Fri Mar 08 14:53:27 2024





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

PL45157/2413

FALL/ RECOVERY TIME

DSO-X 3024A, MY54490369, Fri Mar 08 14:54:36 2024





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

PL45157/2413

TSS @ -79dBm

DSO-X 3024A, MY54490369, Fri Mar 08 14:56:12 2024

