



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

PL45440/2419

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:	PL45440/2419	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	-78dBm	
4	Log Dynamic Range	-75 to 0dBm	-75 TO 0dBm (See Plots)	
5	Log Slope	50mV/dB ± 4mV/dB	50mV/dB± 1.60mV/dB (See Plots)	
6	Log Linearity	± 1.8 dB Max.	± 1.55 dB (See Plots)	
7	DC Offset	50mV ± 50mV	50mV ± 49mV	
8	Rise Time	30 ns Max.	18.5ns	
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	173 mA 64 mA	

QA/QC Approval: K. [Signature] Date: 5-10-24

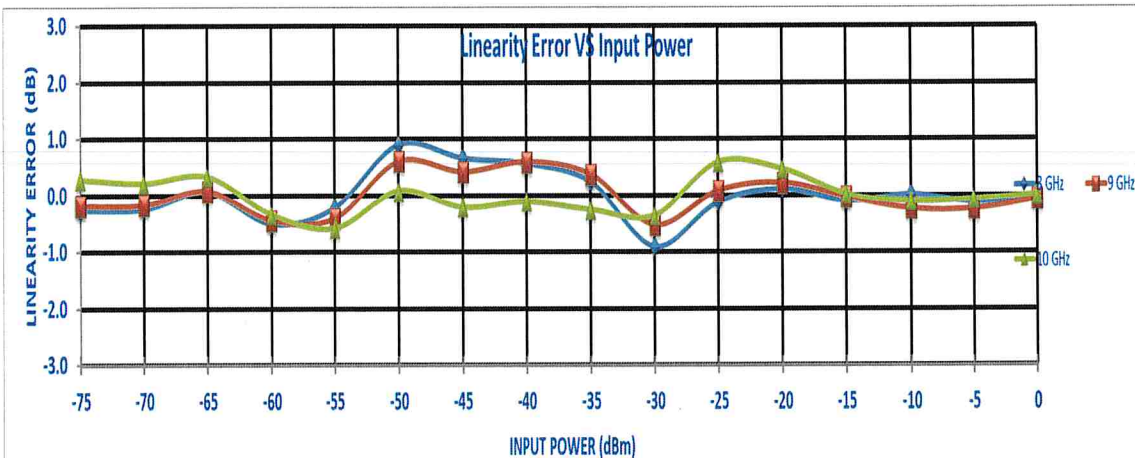
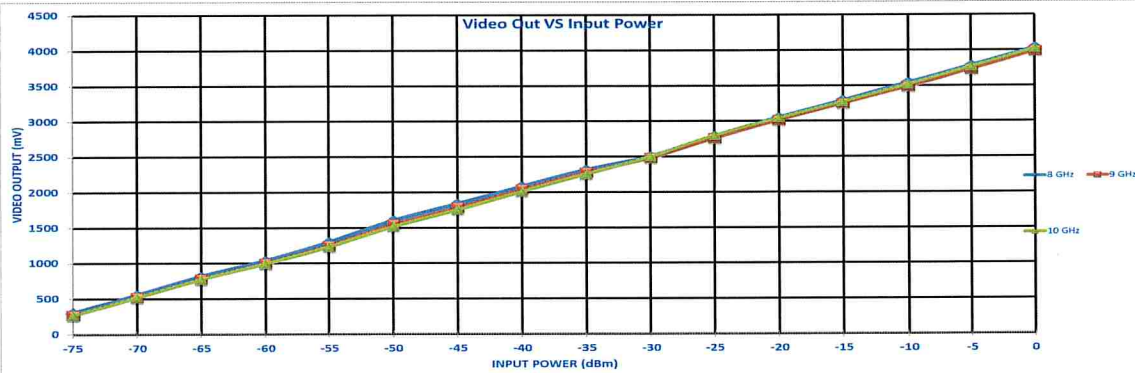


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL45440/2419

LOG TRANSFER @ +25C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 05/07/2024 SERIAL NO: PL45440 Test Temp: +25C													Output Vos= 0.047													
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													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) 4032												Measured Value (mV)													
	SLOPE (mV/dB) 49.6												Error (mV)													
													LINEARITY ERROR (dB)													
9 GHz	INTERCEPT (m) 3983												Measured Value (mV)													
	SLOPE (mV/dB) 49.4												Error (mV)													
													LINEARITY ERROR (dB)													
10 GHz	INTERCEPT (m) 4016												Measured Value (mV)													
	SLOPE (mV/dB) 50.2												Error (mV)													
													LINEARITY ERROR (dB)													
Flatness +/-dB													0.4 0.4 0.4 0.5 0.7 0.9 0.9 0.7 0.6 0.3 0.4 0.4 0.4 0.6 0.5 0.5													





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

PL45440/2419

LOG TRANSFER @ +95C

LOG TRANSFER WITH FREQUENCY																																			
MODEL: DLVA-8G10G-75-50-SFF																																			
TESTED BY: DA																																			
DATE: 05/09/2024																																			
SERIAL NO: PL45440																																			
Test Temp: +95C												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= 0.035												RF Input Power (dBm)											
												-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0																							
8 GHz												INTERCEPT (m) 3956												Measured Value (mV)											
												SLOPE (mV/dB) 49.7												Error (mV)											
												233 489 743 968 1197 1489 1738 1989 2212 2424 2696 2960 3207 3454 3721 3980												LINEARITY ERROR (dB)											
												2 9 15 -8 -28 16 17 19 -6 -42 -19 -3 -4 -5 13 24																							
												0.03 0.19 0.30 -0.17 -0.56 0.32 0.34 0.39 -0.12 -0.85 -0.37 -0.06 -0.08 -0.11 0.27 0.48																							
9 GHz												INTERCEPT (m) 3915												Measured Value (mV)											
												SLOPE (mV/dB) 50												Error (mV)											
												185 422 681 917 1130 1403 1670 1919 2159 2396 2672 2934 3167 3400 3666 3930												LINEARITY ERROR (dB)											
												18 5 14 1 -36 -13 4 3 -7 -19 7 19 2 -15 1 15																							
												0.36 0.11 0.29 0.01 -0.72 -0.26 0.08 0.06 -0.13 -0.39 0.13 0.38 0.04 -0.30 0.03 0.31																							
10 GHz												INTERCEPT (m) 3946												Measured Value (mV)											
												SLOPE (mV/dB) 50.5												Error (mV)											
												192 431 690 921 1130 1394 1653 1896 2144 2397 2707 2959 3193 3431 3705 3978												LINEARITY ERROR (dB)											
												36 22 28 7 -37 -26 -19 -30 -34 -33 24 23 5 -10 12 32																							
												0.70 0.43 0.56 0.13 -0.73 -0.51 -0.38 -0.59 -0.66 -0.66 0.48 0.46 0.10 -0.19 0.23 0.63																							
Flatness +/-dB												0.5 0.7 0.6 0.5 0.7 1 0.9 0.9 0.7 0.3 0.4 0.3 0.4 0.5 0.6 0.5																							

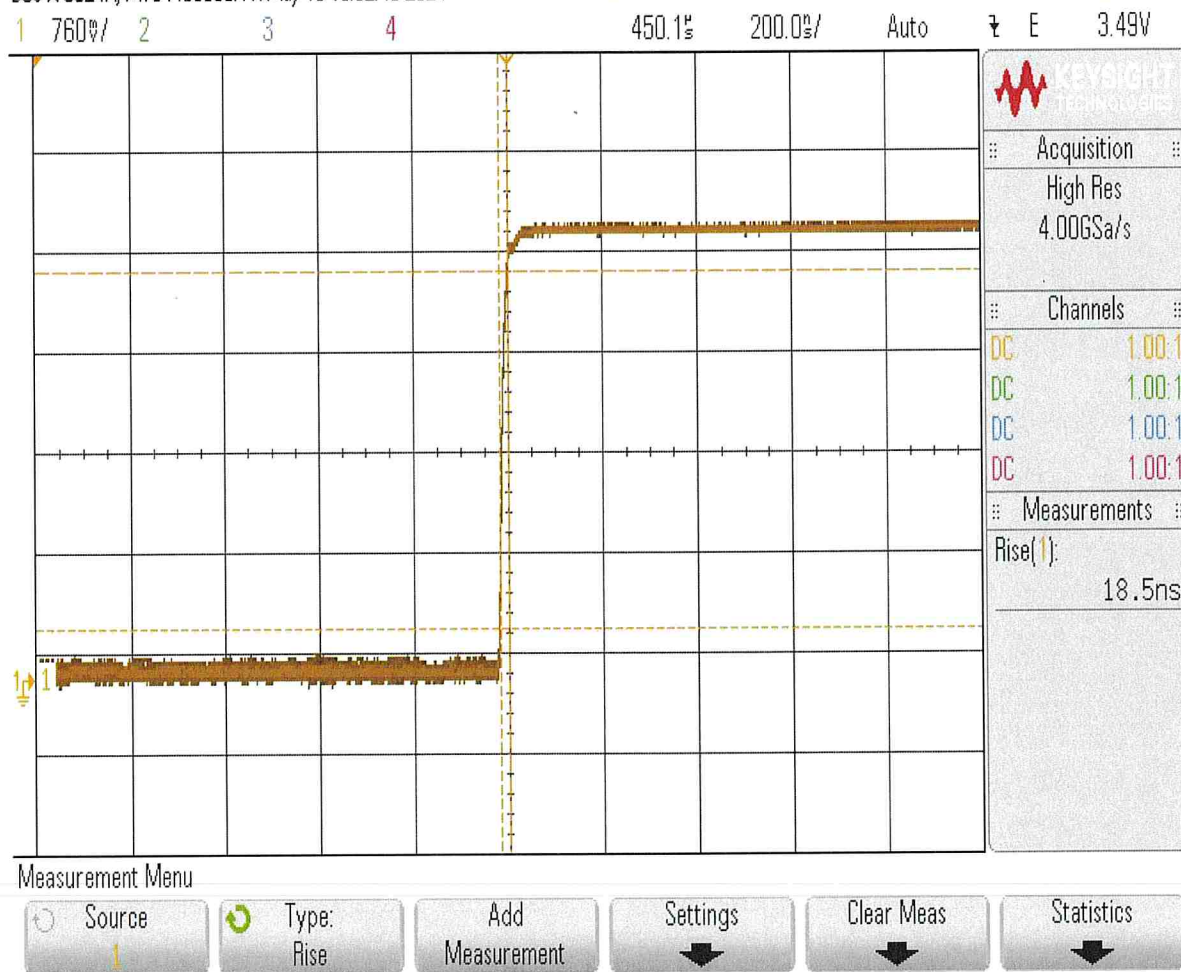


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL45440/2419

RISE TIME

DSO-X 3024A, MY54490369, Fri May 10 10:02:46 2024



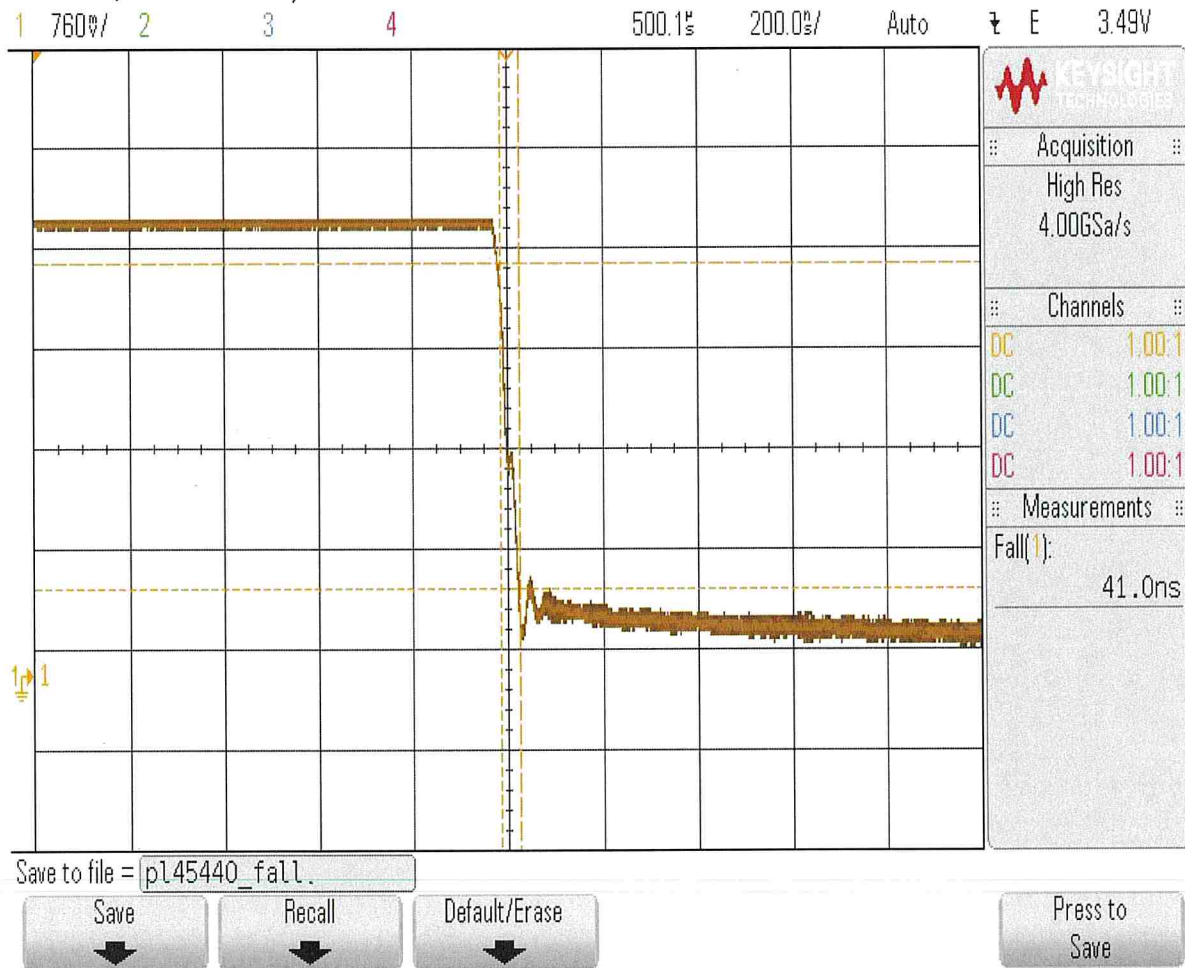


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL45440/2419

FALL/ RECOVERY TIME

DSO-X 3024A, MY54490369, Fri May 10 10:01:45 2024





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

PL45440/2419

TSS @ -78dBm

DSO-X 3024A, MY54490369, Fri May 10 10:04:12 2024

