



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

PL48068/2438

Customer: _____ Tested By: DA
SO No: _____ Temperature: +25°C, -54°C, +95°C
Model No: DLVA-8G10G-75-50-SFF Date: 09/19/24
Serial No: PL48068/2438 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	± 0.7 dB (See Plots)	
3	TSS	-78dBm	-80 dBm	
4	Log Dynamic Range	-75 to 0dBm	-75 TO 0dBm (See Plots)	
5	Log Slope	50mV/dB $\pm$ 4mV/dB	50mV/dB $\pm$ 3.05 mV/dB (See Plots)	
6	Log Linearity	± 1.8 dB Max.	± 1.12 dB (See Plots)	
7	DC Offset	50mV $\pm$ 50mV	50mV $\pm$ 49mV	
8	Rise Time	30 ns Max.	19.3ns	
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	160mA 64mA	

QA/QC Approval: H.K. [Signature] Date: 9.23.24



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

PL48068/2438

LOG TRANSFER @ +25C

LOG TRANSFER WITH FREQUENCY																																						
MODEL: DLVA-8G10G-75-50-SFF																																						
TESTED BY: DA																																						
DATE: 09/18/2024																																						
SERIAL NO: PL48067																																						
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= 0.039													RF Input Power (dBm)												
													-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0																									
8 GHz													INTERCEPT (m) 4198													Measured Value (mV)												
													SLOPE (mV/dB) 50.7													Error (mV)												
																										LINEARITY ERROR (dB)												
													419 663 912 1127 1375 1655 1924 2201 2448 2677 2914 3175 3416 3695 3978 4190																									
													21 12 7 -31 -36 -10 6 30 23 -1 -17 -10 -22 4 33 -8																									
													0.42 0.23 0.14 -0.61 -0.72 -0.19 0.12 0.58 0.46 -0.02 -0.34 -0.19 -0.44 0.07 0.66 -0.16																									
													X																									
9 GHz													INTERCEPT (m) 4159													Measured Value (mV)												
													SLOPE (mV/dB) 49.2													Error (mV)												
																										LINEARITY ERROR (dB)												
													474 719 958 1186 1441 1719 1995 2235 2444 2629 2851 3152 3398 3682 3964 4158																									
													3 2 -5 -23 -14 18 49 53 6 -55 -49 -24 -24 14 50 -1																									
													0.06 0.04 -0.10 -0.46 -0.28 0.37 0.99 1.07 0.12 -1.12 -1.00 -0.49 -0.48 0.29 1.02 -0.03																									
													X																									
10 GHz													INTERCEPT (m) 4182													Measured Value (mV)												
													SLOPE (mV/dB) 50													Error (mV)												
																										LINEARITY ERROR (dB)												
													435 680 930 1159 1432 1711 1970 2223 2442 2642 2892 3158 3396 3683 3971 4200																									
													1 -4 -4 -24 -1 28 37 40 9 -41 -40 -24 -36 1 39 18																									
													0.02 -0.07 -0.07 -0.49 -0.03 0.56 0.74 0.80 0.19 -0.81 -0.81 -0.48 -0.72 0.02 0.79 0.37																									
													X																									
Flatness +/-dB													0.6 0.6 0.5 0.6 0.7 0.7 0.7 0.7 0.4 0.1 0.5 0.3 0.2 0.2 0.1 0.1 0.4																									



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

PL48068/2438

LOG TRANSFER @ -54C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 09/18/2024 SERIAL NO: PL48068 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= 0.051																			
Frequency										RF Input Power (dBm)									
										-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0									
8 GHz										449 686 895 1141 1404 1668 1943 2174 2411 2645 2879 3128 3372 3577 3822 4096									
INTERCEPT (m)										6 0 -34 -32 -12 8 40 28 21 12 2 8 9 -30 -28 2									
SLOPE (mV/dB)										0.13 0.00 -0.71 -0.65 -0.25 0.17 0.82 0.57 0.43 0.24 0.05 0.16 0.18 -0.61 -0.58 0.05									
										Measured Value (mV)									
										Error (mV)									
										LINEARITY ERROR (dB)									

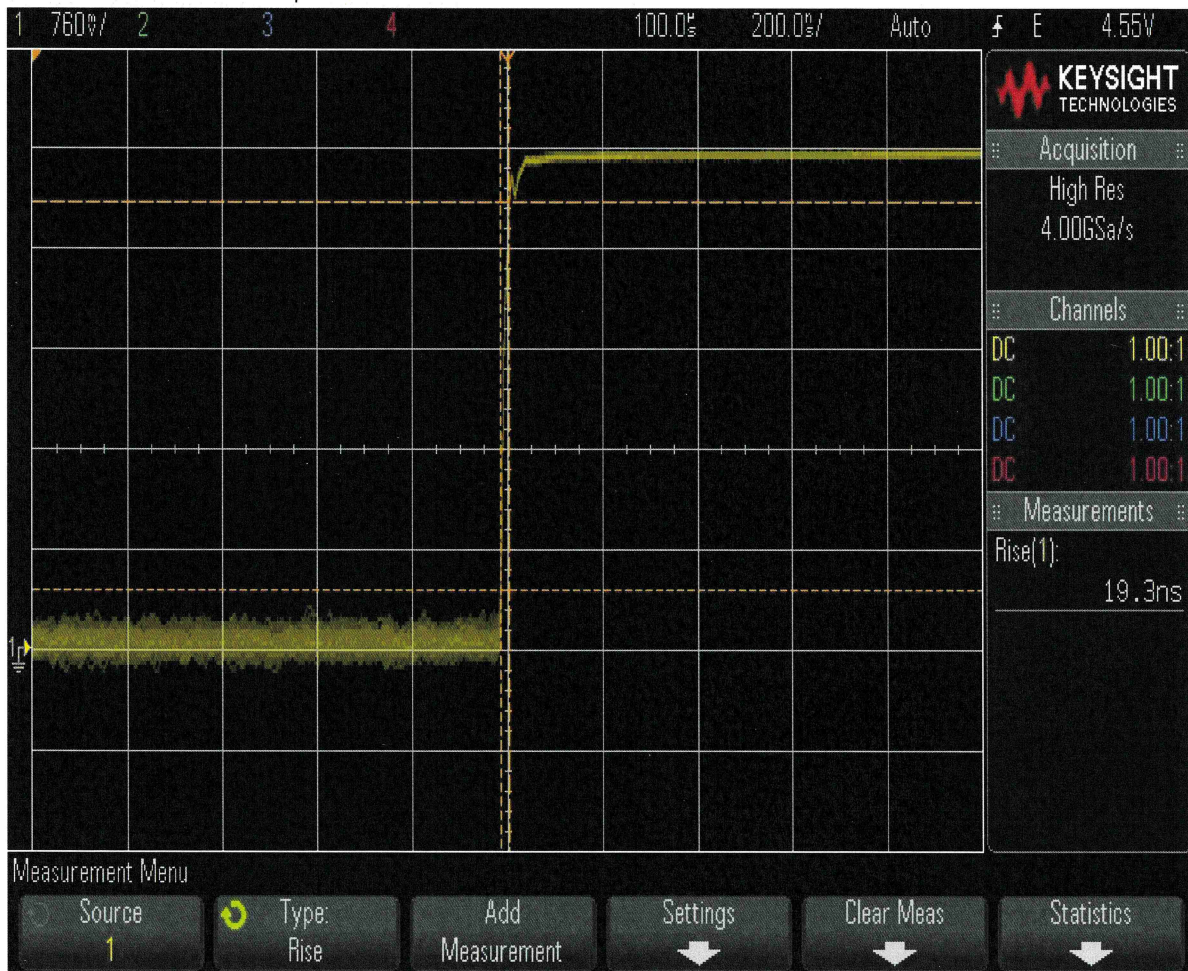


**SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF**

PL48068/2438

RISE TIME

DSO-X 3024A, MY54490369: Thu Sep 19 16:43:22 2024



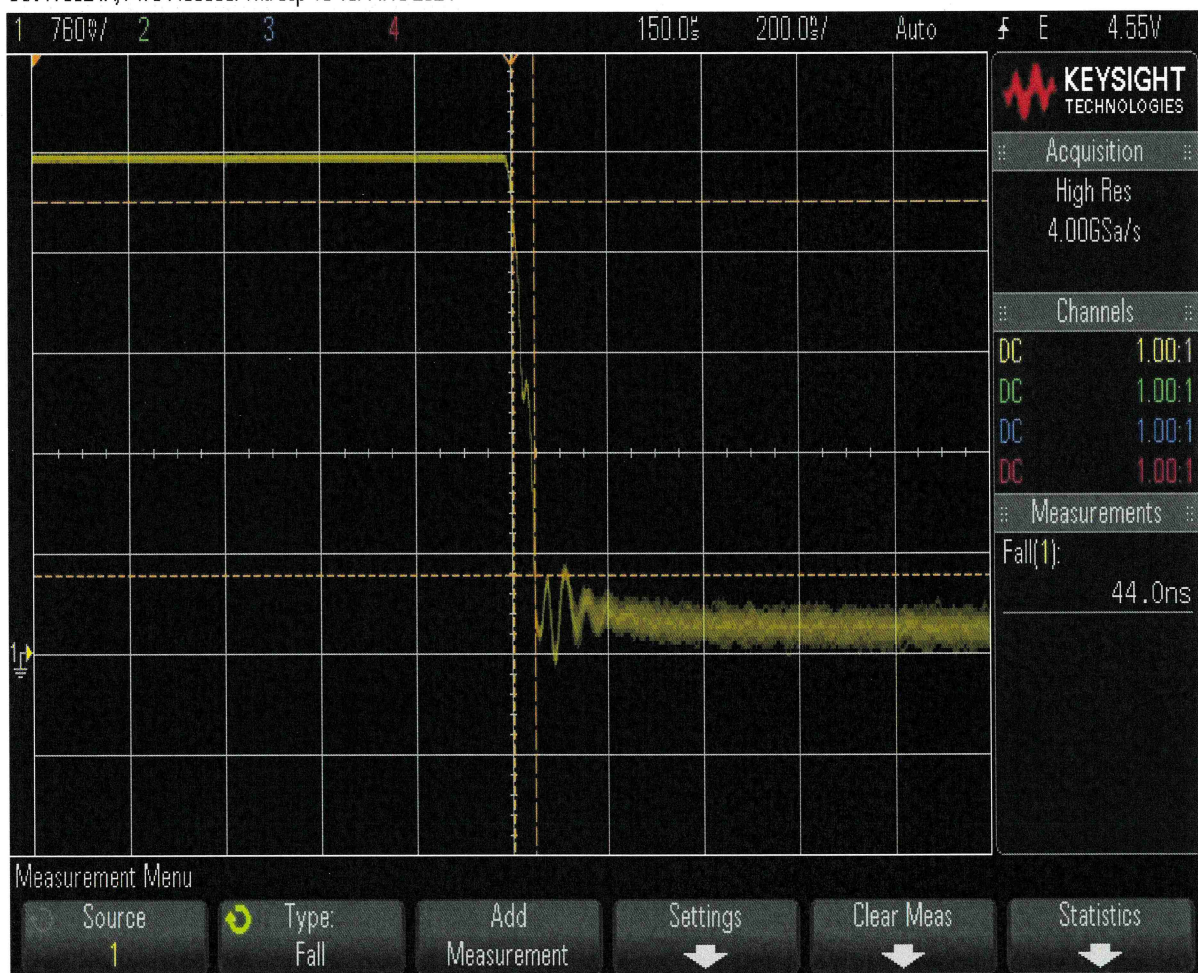


SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL48068/2438

FALL/ RECOVERY TIME

DSO-X 3024A, MY54490369, Thu Sep 19 16:44:13 2024





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

PL48068/2438

TSS @ -80 dBm

DSO-X 3024A, MY54490369: Thu Sep 19 16:42:05 2024

