

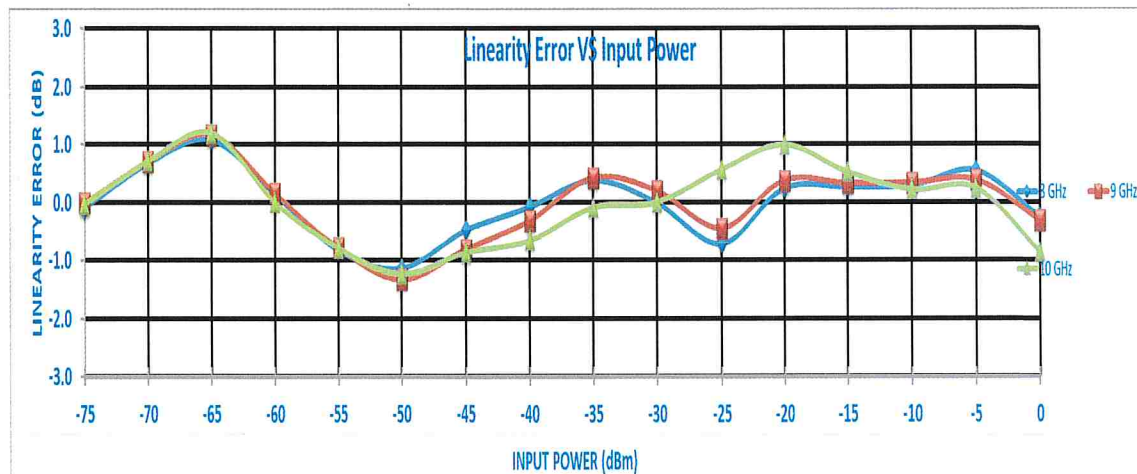
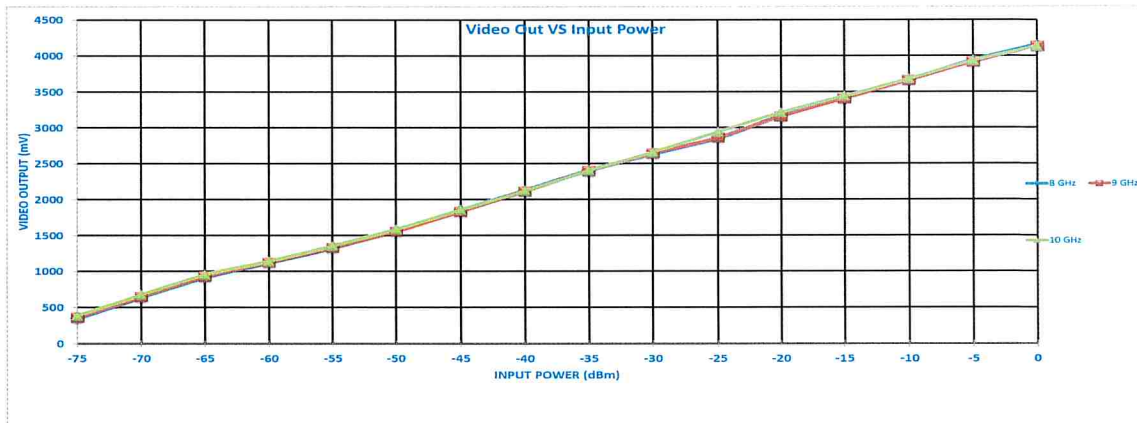


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL40773/2335

LOG TRANSFER @ +25C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 04/04/2024 SERIAL NO: PL40773r 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																																		
Output Vos= 0.089																																																					
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)	4162																Measured Value (mV)																																		
		SLOPE (mV/dB)	50.7																Error (mV)																																		
																		LINEARITY ERROR (dB)																																			
																			351	644	918	1124	1329	1567	1854	2128	2405	2639	2857	3159	3414	3669	3936	4149																			
																			-5	34	55	7	-42	-58	-24	-4	19	-1	-36	12	13	15	28	-13																			
																			-0.10	0.67	1.07	0.13	-0.83	-1.14	-0.48	-0.08	0.38	-0.01	-0.71	0.24	0.26	0.29	0.55	-0.25																			
9 GHz		INTERCEPT (m)	4149																Measured Value (mV)																																		
		SLOPE (mV/dB)	50.5																Error (mV)																																		
																		LINEARITY ERROR (dB)																																			
																			361	650	926	1127	1332	1557	1836	2113	2403	2644	2864	3158	3408	3661	3916	4133																			
																			-1	36	59	8	-40	-67	-41	-16	21	10	-23	19	16	17	19	-16																			
																			-0.02	0.70	1.17	0.15	-0.79	-1.33	-0.81	-0.32	0.42	0.19	-0.45	0.37	0.32	0.33	0.38	-0.32																			
10 GHz		INTERCEPT (m)	4177																Measured Value (mV)																																		
		SLOPE (mV/dB)	50.5																Error (mV)																																		
																		LINEARITY ERROR (dB)																																			
																			388	678	955	1147	1360	1590	1861	2124	2405	2662	2943	3217	3446	3683	3937	4134																			
																			-1	36	61	0	-39	-62	-43	-33	-4	0	29	50	27	11	13	-43																			
																			-0.03	0.72	1.20	0.00	-0.78	-1.22	-0.86	-0.65	-0.09	0.00	0.57	0.99	0.53	0.22	0.25	-0.85																			
Flatness +/-dB																		0.4	0.3	0.4	0.2	0.3	0.3	0.2	0.1	0	0.2	0.9	0.6	0.4	0.2	0.2	0.2																				



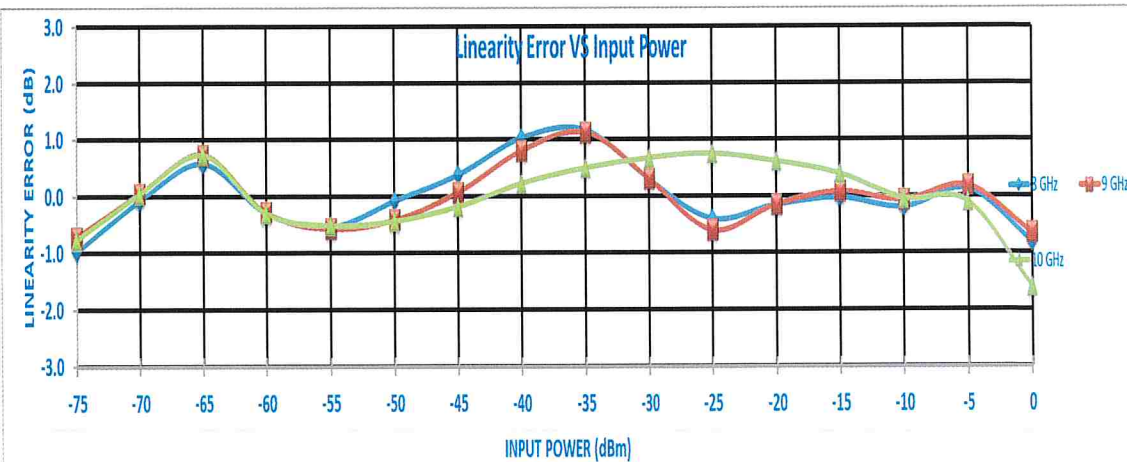
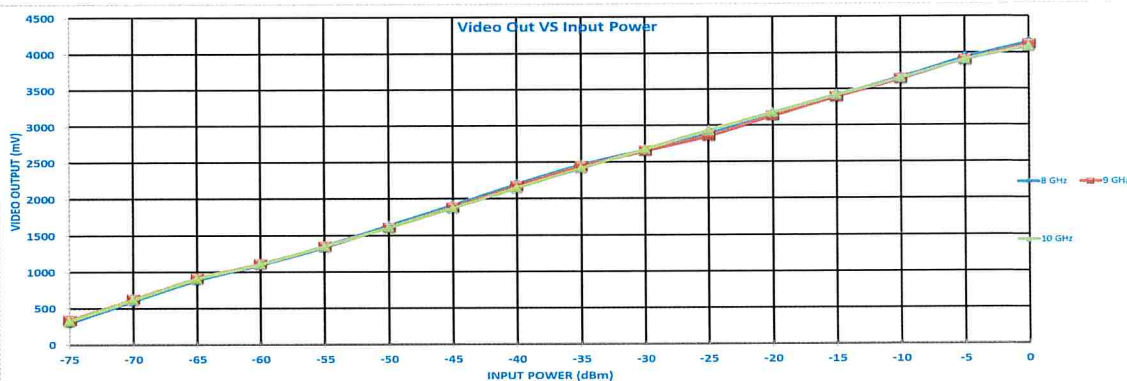


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL40773/2335

LOG TRANSFER @ -54C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 04/04/2024 SERIAL NO: PL40773r 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																																	
Frequency																		Output Vos= 0.015																																	
																		-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)																	
8 GHz		INTERCEPT (m) 4178																310 610 898 1108 1350 1628 1906 2194 2456 2666 2885 3152 3413 3659 3930 4137																Measured Value (mV)																	
		SLOPE (mV/dB) 50.9																-49 -4 -29 -15 -28 -4 19 52 60 15 -20 -8 -2 -10 6 -41																Error (mV)																	
																		-0.97 -0.08 0.58 -0.30 -0.55 -0.09 0.37 1.03 1.18 0.30 -0.40 -0.16 -0.03 -0.20 0.12 -0.81																LINEARITY ERROR (dB)																	
9 GHz		INTERCEPT (m) 4150																343 633 919 1119 1356 1615 1891 2179 2447 2657 2863 3137 3400 3644 3908 4117																Measured Value (mV)																	
		SLOPE (mV/dB) 50.3																-36 3 38 -14 -28 -21 4 40 57 16 -30 -7 4 -3 10 -33																Error (mV)																	
																		-0.71 0.06 0.75 -0.28 -0.56 -0.41 0.08 0.80 1.13 0.31 -0.59 -0.14 0.09 -0.06 0.19 -0.65																LINEARITY ERROR (dB)																	
10 GHz		INTERCEPT (m) 4167																332 626 914 1115 1357 1614 1880 2154 2421 2683 2940 3186 3428 3659 3909 4086																Measured Value (mV)																	
		SLOPE (mV/dB) 50.6																-39 2 37 -15 -26 -22 -9 12 25 34 38 31 20 -2 -5 -81																Error (mV)																	
																		-0.77 0.04 0.73 -0.30 -0.52 -0.44 -0.18 0.23 0.50 0.68 0.76 0.62 0.40 -0.04 -0.10 -1.61																LINEARITY ERROR (dB)																	
Flatness +/-dB																		0.3 0.2 0.2 0.1 0.1 0.1 0.3 0.4 0.3 0.3 0.8 0.5 0.3 0.1 0.2 0.5																																	



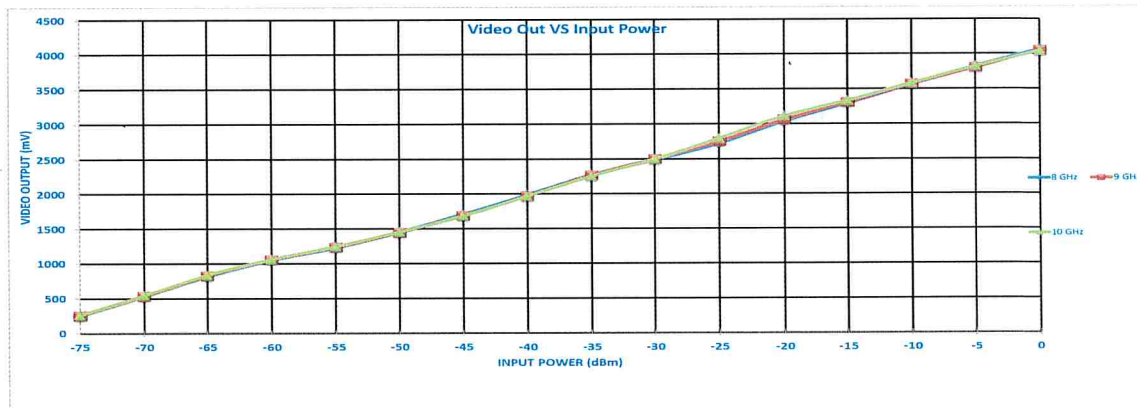


SUMMARY TEST DATA ON DLVA-8G10G-75-50-SFF

PL40773/2335

LOG TRANSFER @ +95C

LOG TRANSFER WITH FREQUENCY MODEL: DLVA-8G10G-75-50-SFF TESTED BY: DA DATE: 04/04/2024 SERIAL NO: PL40773r 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																									
Output Vos= 0.08																																			
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><td>RF Input Power (dBm)</td></tr></table>																		-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)																			
8 GHz	INTERCEPT (m)		<table><tr><td>257</td><td>537</td><td>823</td><td>1056</td><td>1233</td><td>1451</td><td>1702</td><td>1983</td><td>2272</td><td>2498</td><td>2733</td><td>3048</td><td>3305</td><td>3572</td><td>3824</td><td>4060</td></tr></table>															257	537	823	1056	1233	1451	1702	1983	2272	2498	2733	3048	3305	3572	3824	4060	Measured Value (mV)	
257	537	823	1056	1233	1451	1702	1983	2272	2498	2733	3048	3305	3572	3824	4060																				
	SLOPE (mV/dB)		<table><tr><td>7</td><td>34</td><td>67</td><td>47</td><td>-29</td><td>-64</td><td>-66</td><td>-38</td><td>-2</td><td>-29</td><td>-47</td><td>15</td><td>19</td><td>33</td><td>32</td><td>15</td></tr></table>															7	34	67	47	-29	-64	-66	-38	-2	-29	-47	15	19	33	32	15	Error (mV)	
7	34	67	47	-29	-64	-66	-38	-2	-29	-47	15	19	33	32	15																				
			<table><tr><td>0.15</td><td>0.68</td><td>1.33</td><td>0.94</td><td>-0.56</td><td>-1.26</td><td>-1.30</td><td>-0.74</td><td>-0.03</td><td>-0.57</td><td>-0.92</td><td>0.30</td><td>0.38</td><td>0.66</td><td>0.64</td><td>0.30</td></tr></table>															0.15	0.68	1.33	0.94	-0.56	-1.26	-1.30	-0.74	-0.03	-0.57	-0.92	0.30	0.38	0.66	0.64	0.30	LINEARITY ERROR (dB)	
0.15	0.68	1.33	0.94	-0.56	-1.26	-1.30	-0.74	-0.03	-0.57	-0.92	0.30	0.38	0.66	0.64	0.30																				
9 GHz	INTERCEPT (m)		<table><tr><td>254</td><td>534</td><td>826</td><td>1058</td><td>1237</td><td>1448</td><td>1687</td><td>1971</td><td>2269</td><td>2505</td><td>2756</td><td>3064</td><td>3311</td><td>3570</td><td>3808</td><td>4045</td></tr></table>															254	534	826	1058	1237	1448	1687	1971	2269	2505	2756	3064	3311	3570	3808	4045	Measured Value (mV)	
254	534	826	1058	1237	1448	1687	1971	2269	2505	2756	3064	3311	3570	3808	4045																				
	SLOPE (mV/dB)		<table><tr><td>4</td><td>31</td><td>70</td><td>50</td><td>-24</td><td>-66</td><td>-80</td><td>-49</td><td>-4</td><td>-21</td><td>-23</td><td>32</td><td>27</td><td>33</td><td>18</td><td>2</td></tr></table>															4	31	70	50	-24	-66	-80	-49	-4	-21	-23	32	27	33	18	2	Error (mV)	
4	31	70	50	-24	-66	-80	-49	-4	-21	-23	32	27	33	18	2																				
			<table><tr><td>0.08</td><td>0.62</td><td>1.39</td><td>0.98</td><td>-0.48</td><td>-1.31</td><td>-1.58</td><td>-0.97</td><td>-0.08</td><td>-0.41</td><td>-0.45</td><td>0.64</td><td>0.52</td><td>0.65</td><td>0.35</td><td>0.04</td></tr></table>															0.08	0.62	1.39	0.98	-0.48	-1.31	-1.58	-0.97	-0.08	-0.41	-0.45	0.64	0.52	0.65	0.35	0.04	LINEARITY ERROR (dB)	
0.08	0.62	1.39	0.98	-0.48	-1.31	-1.58	-0.97	-0.08	-0.41	-0.45	0.64	0.52	0.65	0.35	0.04																				
10 GHz	INTERCEPT (m)		<table><tr><td>262</td><td>549</td><td>839</td><td>1066</td><td>1249</td><td>1458</td><td>1691</td><td>1970</td><td>2261</td><td>2503</td><td>2802</td><td>3119</td><td>3341</td><td>3588</td><td>3829</td><td>4042</td></tr></table>															262	549	839	1066	1249	1458	1691	1970	2261	2503	2802	3119	3341	3588	3829	4042	Measured Value (mV)	
262	549	839	1066	1249	1458	1691	1970	2261	2503	2802	3119	3341	3588	3829	4042																				
	SLOPE (mV/dB)		<table><tr><td>5</td><td>38</td><td>74</td><td>48</td><td>-23</td><td>-68</td><td>-89</td><td>-64</td><td>-26</td><td>-38</td><td>7</td><td>70</td><td>38</td><td>31</td><td>19</td><td>-22</td></tr></table>															5	38	74	48	-23	-68	-89	-64	-26	-38	7	70	38	31	19	-22	Error (mV)	
5	38	74	48	-23	-68	-89	-64	-26	-38	7	70	38	31	19	-22																				
			<table><tr><td>0.10</td><td>0.75</td><td>1.47</td><td>0.94</td><td>-0.46</td><td>-1.34</td><td>-1.75</td><td>-1.25</td><td>-0.52</td><td>-0.75</td><td>0.14</td><td>1.38</td><td>0.75</td><td>0.62</td><td>0.37</td><td>-0.44</td></tr></table>															0.10	0.75	1.47	0.94	-0.46	-1.34	-1.75	-1.25	-0.52	-0.75	0.14	1.38	0.75	0.62	0.37	-0.44	LINEARITY ERROR (dB)	
0.10	0.75	1.47	0.94	-0.46	-1.34	-1.75	-1.25	-0.52	-0.75	0.14	1.38	0.75	0.62	0.37	-0.44																				
Flatness +/-dB	<table><tr><td>0.1</td><td>0.1</td><td>0.2</td><td>0.1</td><td>0.2</td><td>0.1</td><td>0.1</td><td>0.1</td><td>0.1</td><td>0.1</td><td>0.7</td><td>0.7</td><td>0.4</td><td>0.2</td><td>0.2</td><td>0.2</td></tr></table>																		0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.7	0.7	0.4	0.2	0.2	0.2	
0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.7	0.7	0.4	0.2	0.2	0.2																				

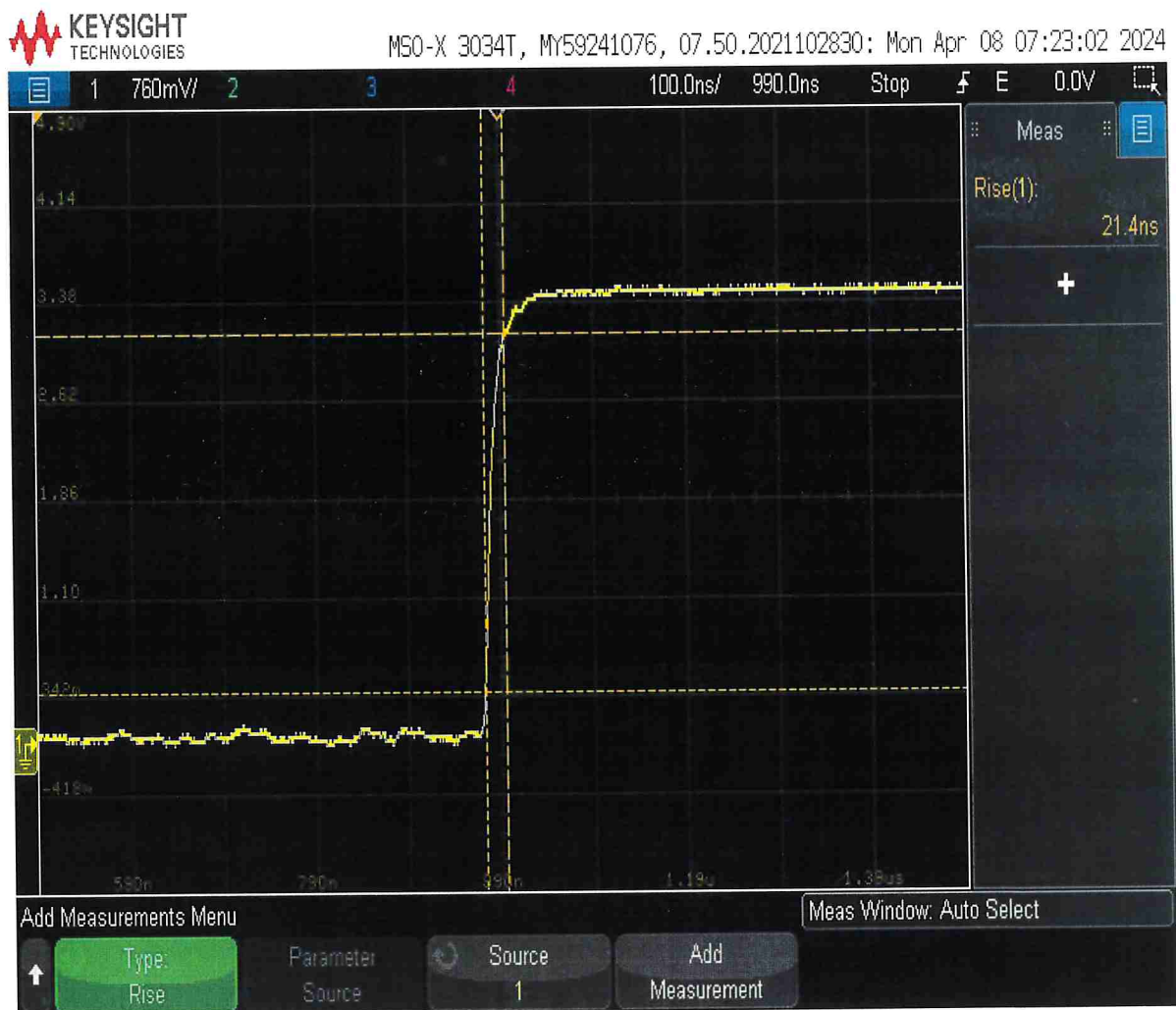




SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF

PL40773/2335

RISE TIME

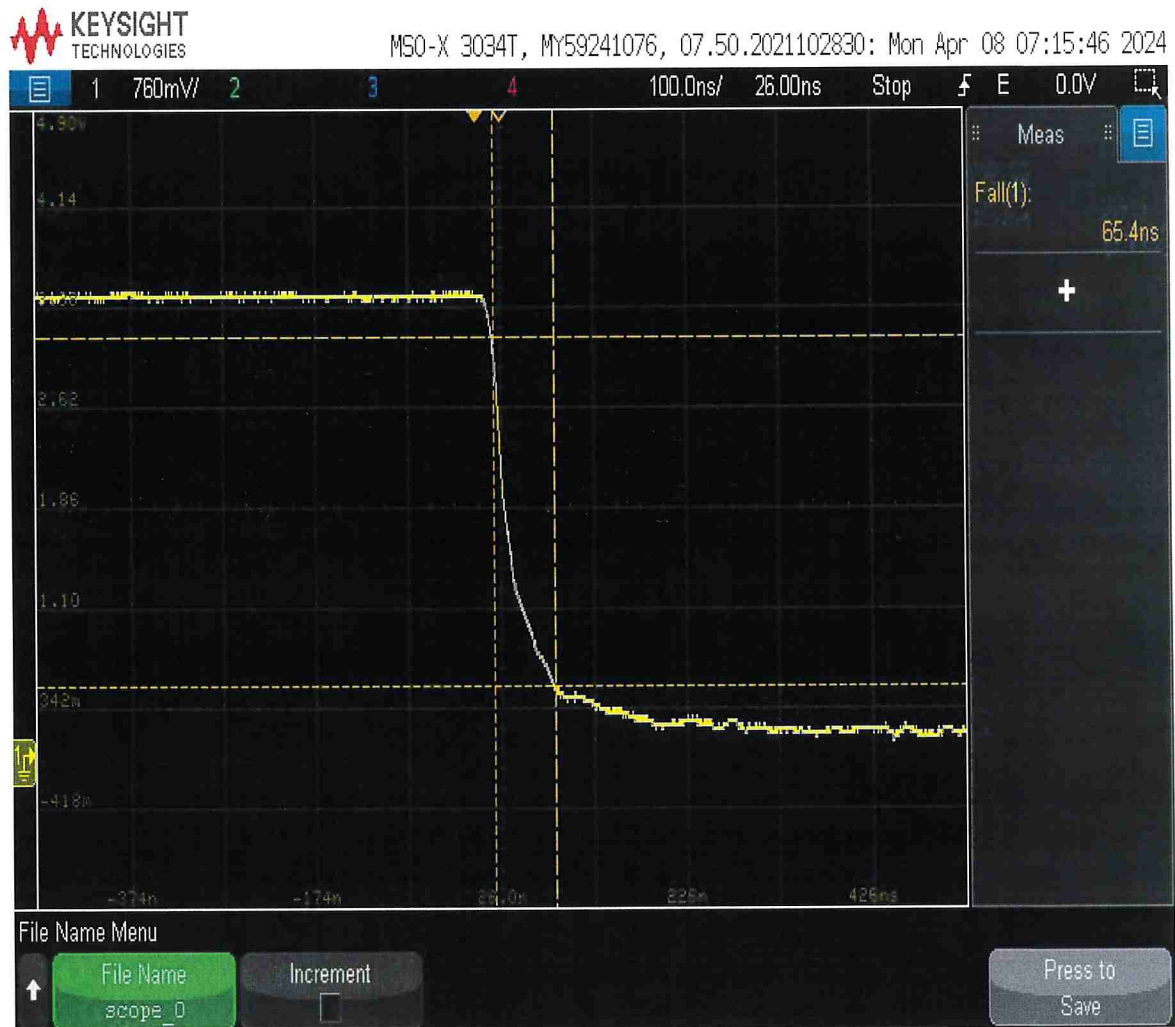




**SUMMARY TEST DATA
ON
DLVA-8G10G-75-50-SFF**

PL40773/2335

FALL/ RECOVERY TIME





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

PL40773/2335

TSS @ -80dBm

