



PLANAR MONOLITHICS INDUSTRIES
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LOG TRANSFER WITH FREQUENCY
 MODEL: SDLVA-1G20G-55-12-SFF
 TESTED BY: Jeremy Walker
 DATE: 6/25/2025
 SERIAL NO: PL53492
 Test Temp: +25C

Output Offset(V)= 0.189

Frequency

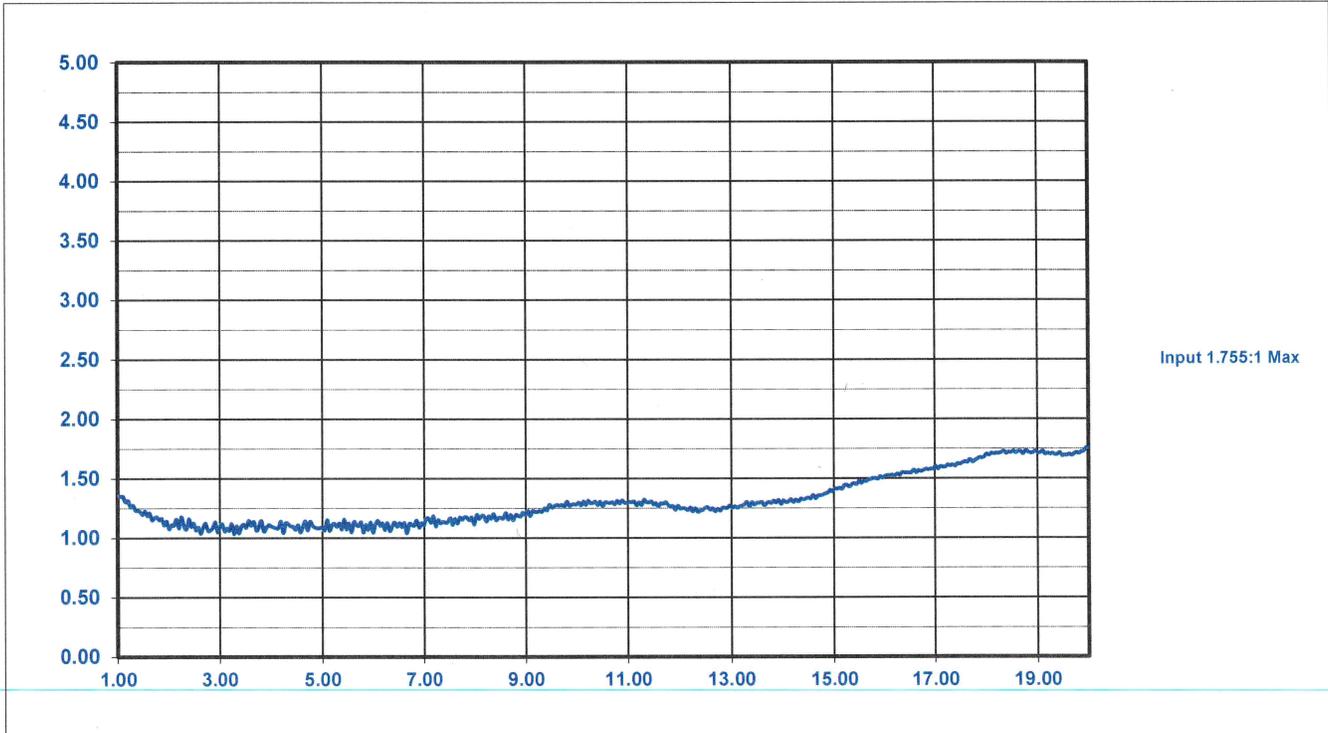
Frequency	INTERCEPT (mV)	SLOPE (mV/dB)	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
1 GHz	2807	53.3	209	251	361	578	862	1156	1431	1718	1987	2265	2528	2801	2993	-1.85	2.01	
4.17 GHz	2869	53.7	214	266	398	642	938	1235	1507	1788	2051	2327	2586	2851	3003	-1.51	1.48	
7.33 GHz	2914	52.9	219	275	420	673	964	1247	1513	1789	2048	2321	2575	2841	2995	-2.34	0.14	
10.5 GHz	2848	51.7	229	300	477	740	1022	1289	1546	1811	2065	2330	2576	2836	2948	-0.83	0.75	
13.66 GHz	2828	50.2	241	336	536	797	1076	1327	1581	1835	2074	2331	2562	2812	2896	-0.69	0.32	
16.83 GHz	2808	49.3	248	351	569	821	1098	1335	1580	1832	2062	2323	2545	2805	2945	-0.44	0.29	
20 GHz	2761	48.7	245	342	545	786	1060	1302	1556	1810	2019	2285	2496	2749	2920	-0.59	0.46	
Flatness +/-dB																+/-	2.40	
Slope Avg(mv/dB)																51.4		



**SUMMARY TEST DATA
ON
SDLVA-1G20G-55-12-SFF**

Model Number: SDLVA-1G20G-55-12-SFF
Serial Number: PL53492

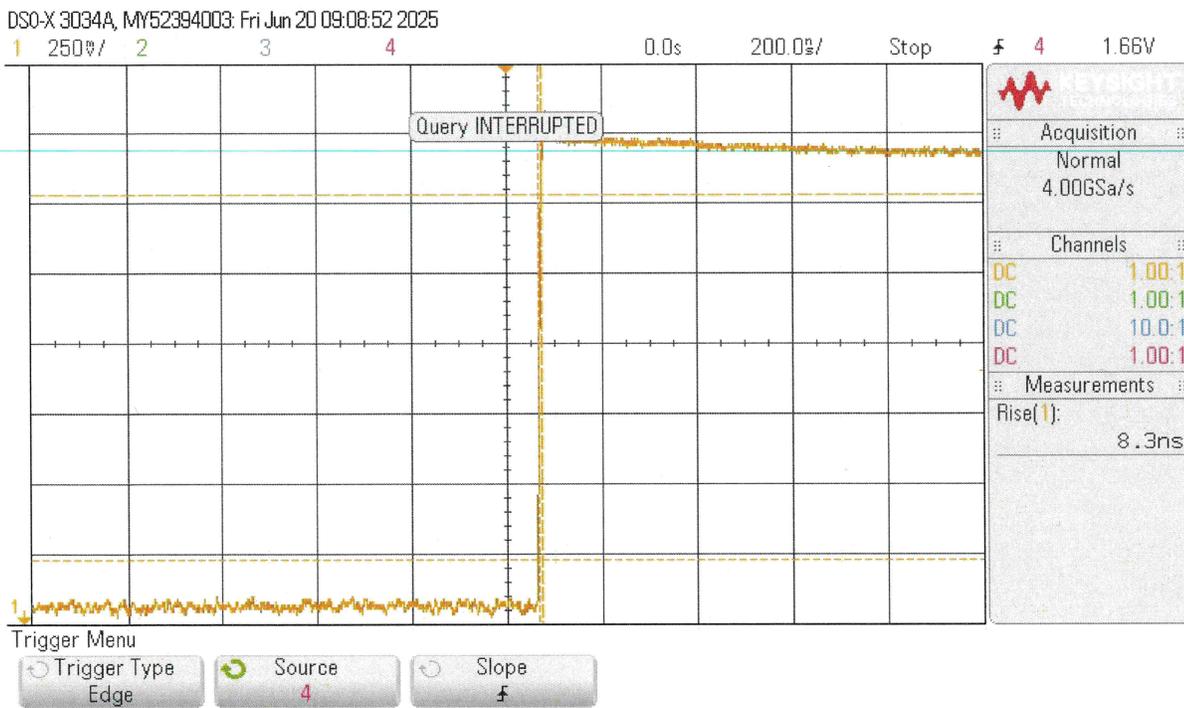
Temperature: +25C





**SUMMARY TEST DATA
ON
SDLVA-1G20G-55-12-SFF**

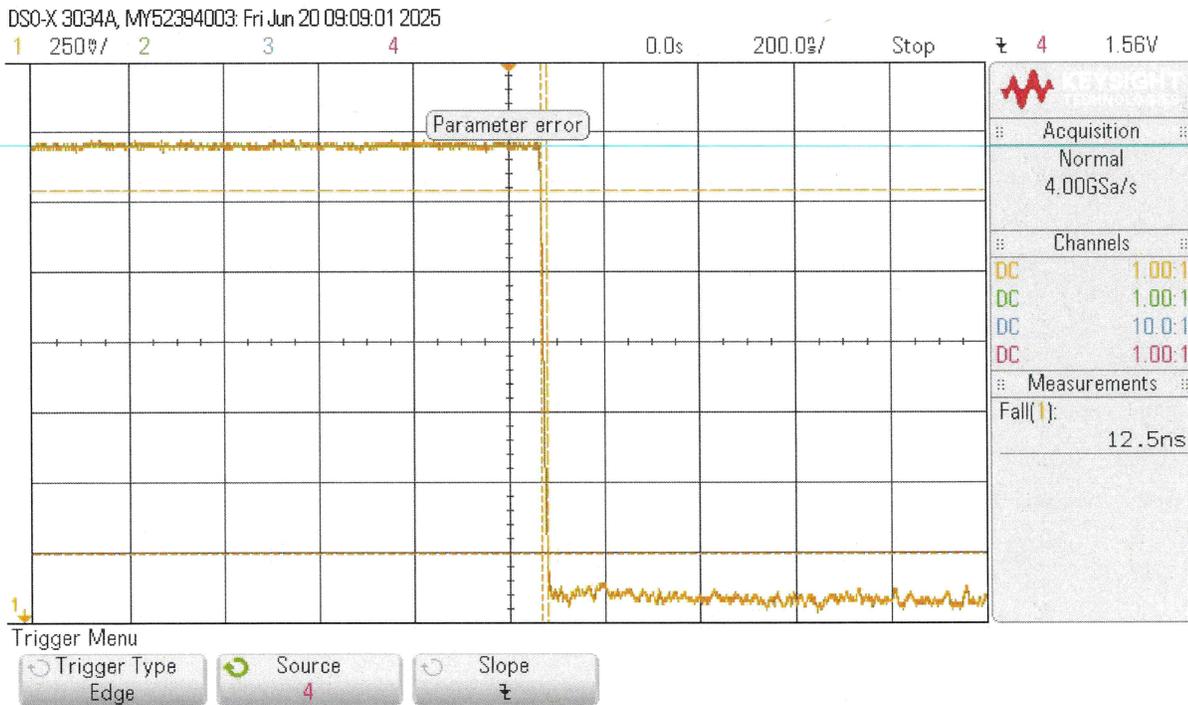
Rise Time = 8.3 ns





**SUMMARY TEST DATA
ON
SDLVA-1G20G-55-12-SFF**

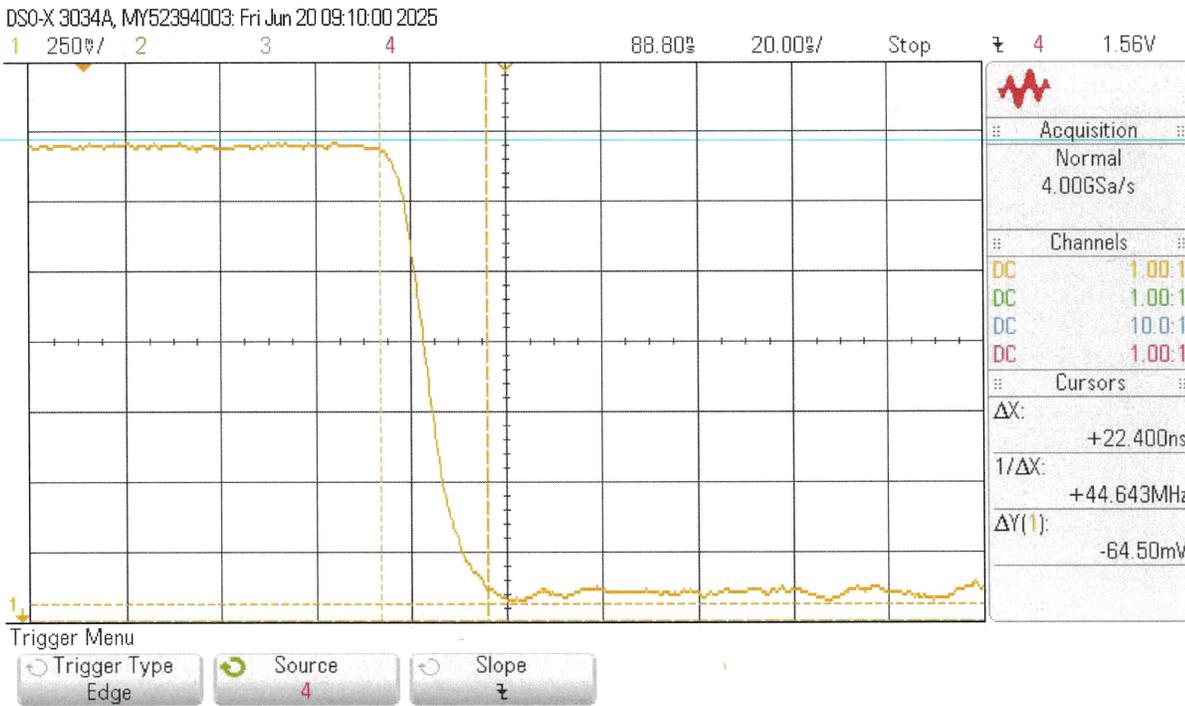
Fall Time = 12.5 ns





**SUMMARY TEST DATA
ON
SDLVA-1G20G-55-12-SFF**

Recovery Time = 22.4 ns





**SUMMARY TEST DATA
ON
SDLVA-1G20G-55-12-SFF**

TSS = -56.6 dBm

