

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

CUSTOMER: _____
 SO: _____
 MODEL NO: SDLVA-1G20G-55-12-SFF
 SERIAL NO: PL53486/2526

TESTED BY: Justen Gayduchik
 TEMPERATURE: +25°C (Unless Otherwise Specified)
 DATE: 6/25/2025
 DRAWING NO: 27637600 REV: A1

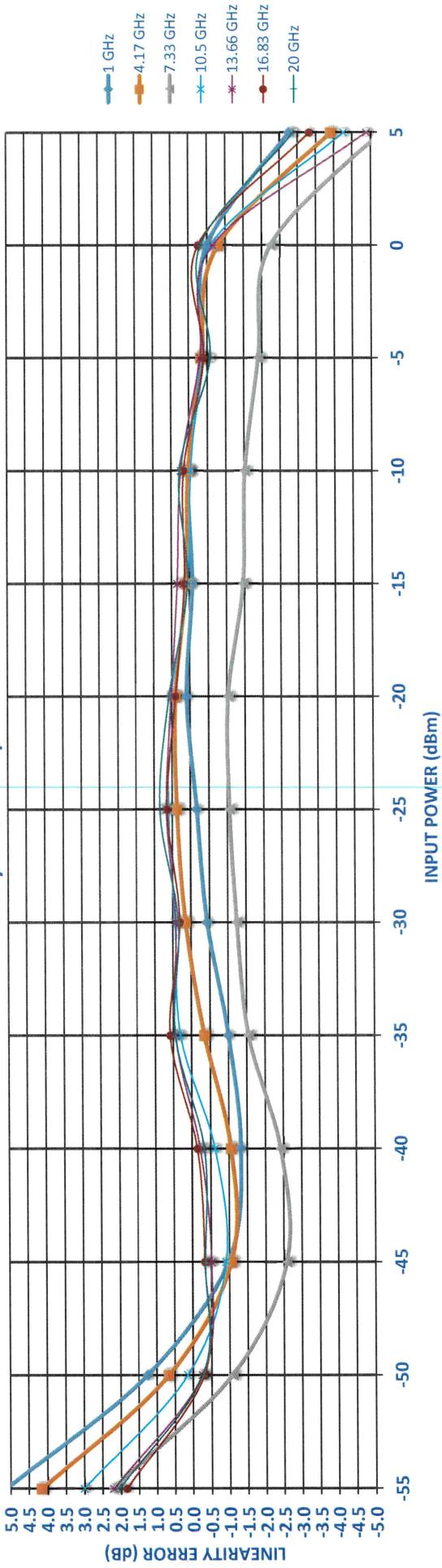
TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range	1 GHz – 20 GHz	1 GHz – 20 GHz	Pass
2	Frequency Flatness	±2.0 dB Typ	± 2.20 dB See Plot	Pass
3	Log Linearity	±1.5 dB Typ (-50 to 0dBm)	± 2.58 dB See Plot	Pass
4	Log Linearity Over Temp	±2.0 dB Typ (-50 to 0dBm) (@ -55°C to +85°C)	By Design	Pass
5	Logging Range	-55 to +5 dBm	PASS	Pass
6	Video Load	50 OHMS	50 OHMS	Pass
7	Input VSWR	2.8:1 Typ	1.772:1	Pass
8	Log Video Output Voltage	0.1 V to 2.5V Typ	See Plot	Pass
9	Log Video Output Slope	50 mV / dB Typ	49.48 mV/dB	Pass
10	Log Video Output Rise Time	5 ns Typ (Pin = -20 dBm @ 10% to 90%)	7.5 nS	Pass
11	Log Video Output Fall Time	20 ns Typ (Pin = -20 dBm @ 90% to 10%)	11 nS	Pass
12	Log Video Recovery Time	28 ns Typ (Pin = -50 dBm to 0 dBm)	39.8 nS	Pass
13	Log Video Propagation Delay	15 ns Typ	By Design	Pass
14	TSS	-58dBm Typ	-64.6 dBm	Pass
15	Power Supply	+8V to +15V @ 130mA Typ	119mA	Pass

QA/QC Approval:  K. Manohar

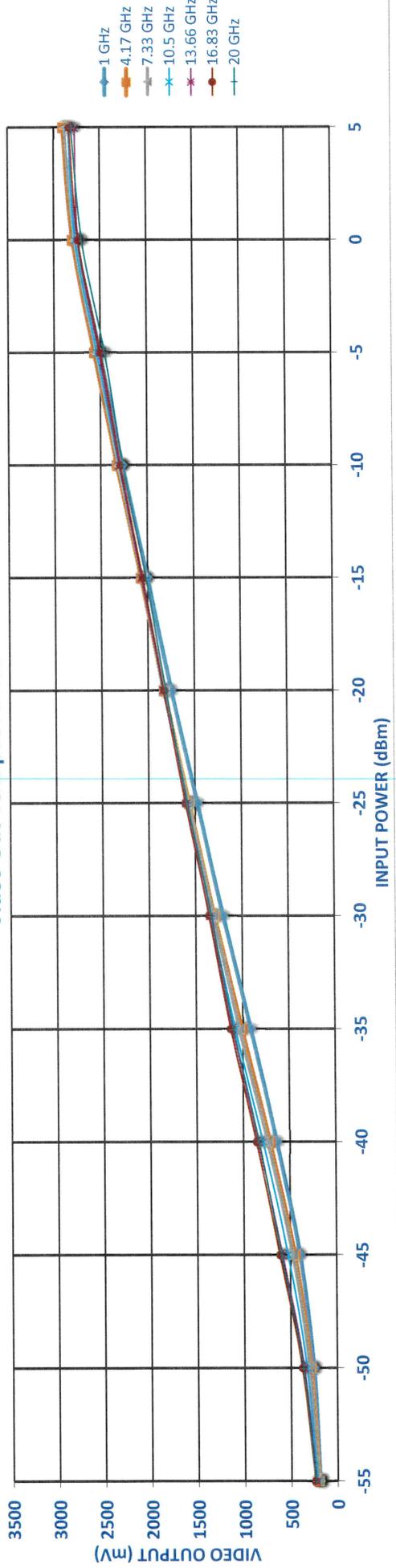
Date: 6-25-25

LOG TRANSFER WITH FREQUENCY
 MODEL: SDLVA-1G20G-55-12-SFF
 SERIAL NO: PL53486
 Test Temp: +25C

Linearity Error VS Input Power



Video Out VS Input Power

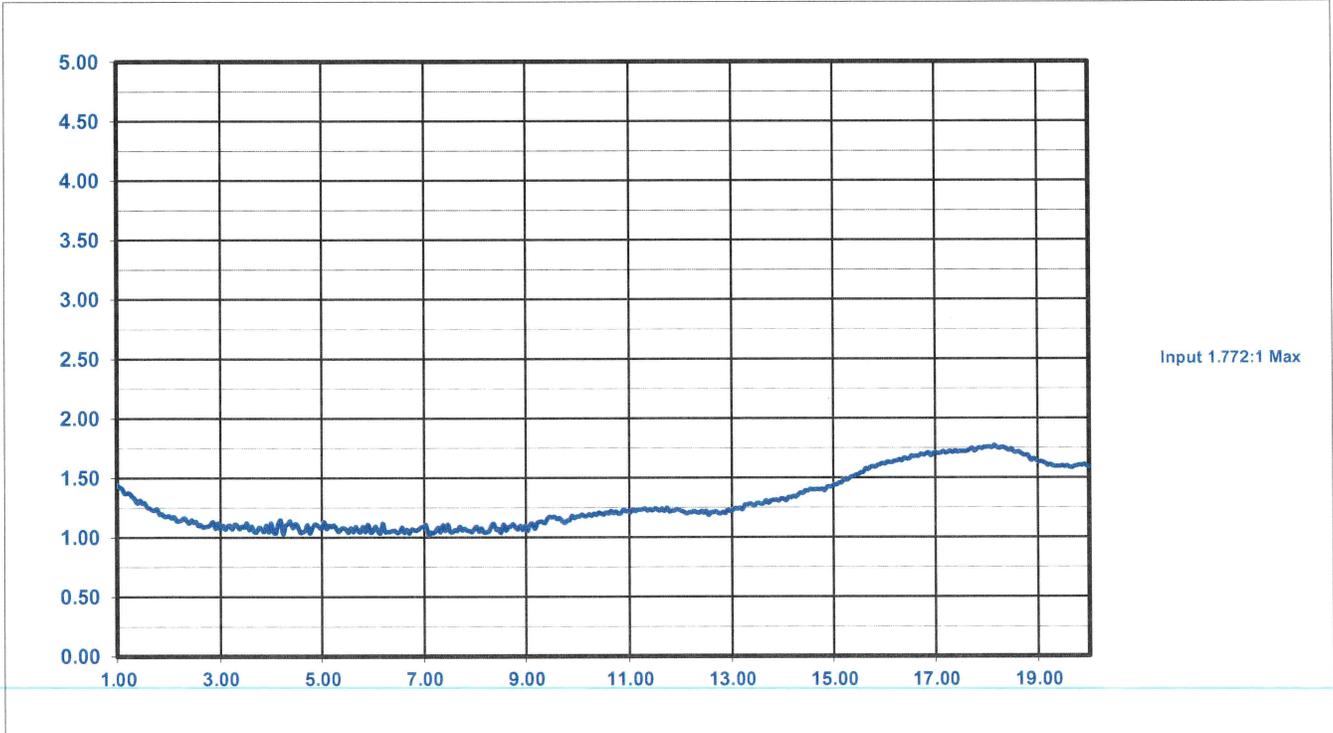




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Serial Number: PL53486

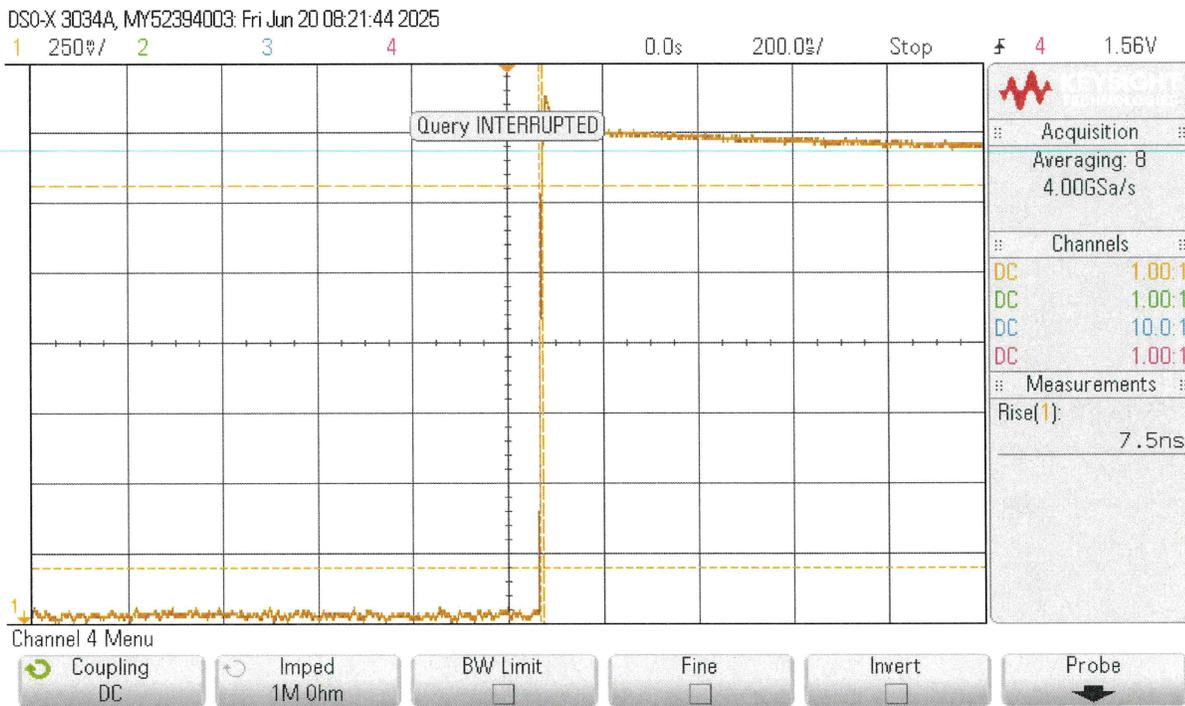
Temperature: +25C





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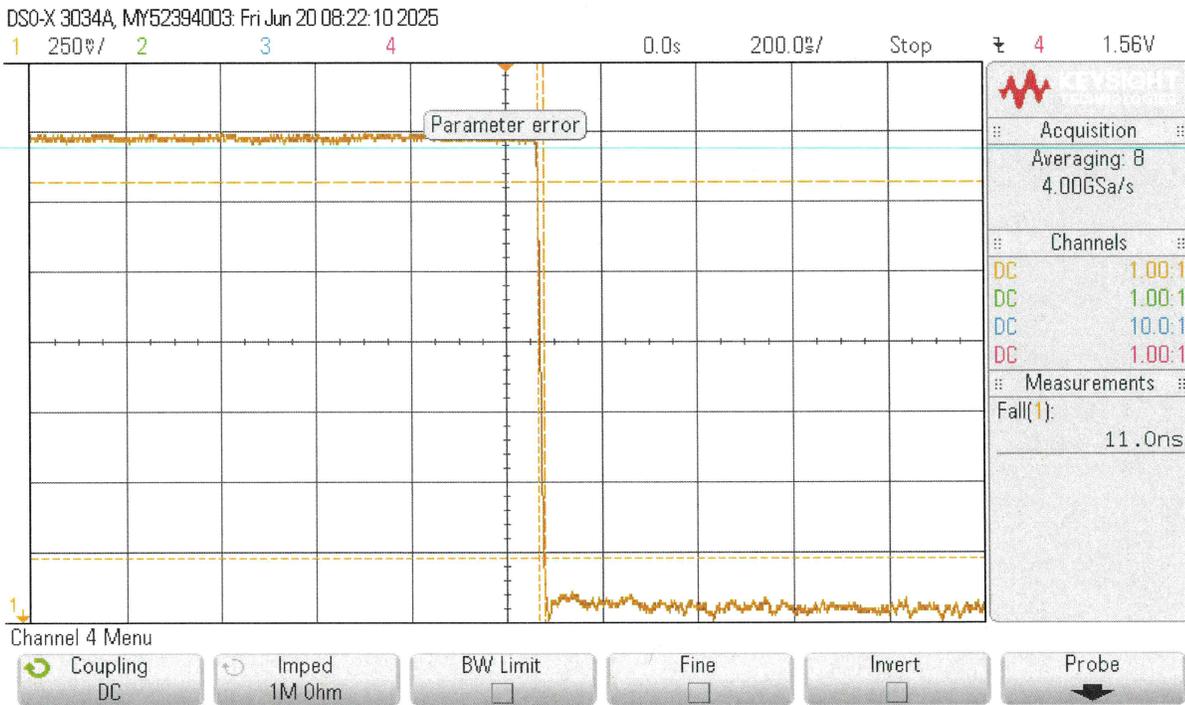
Rise Time = 7.5 ns





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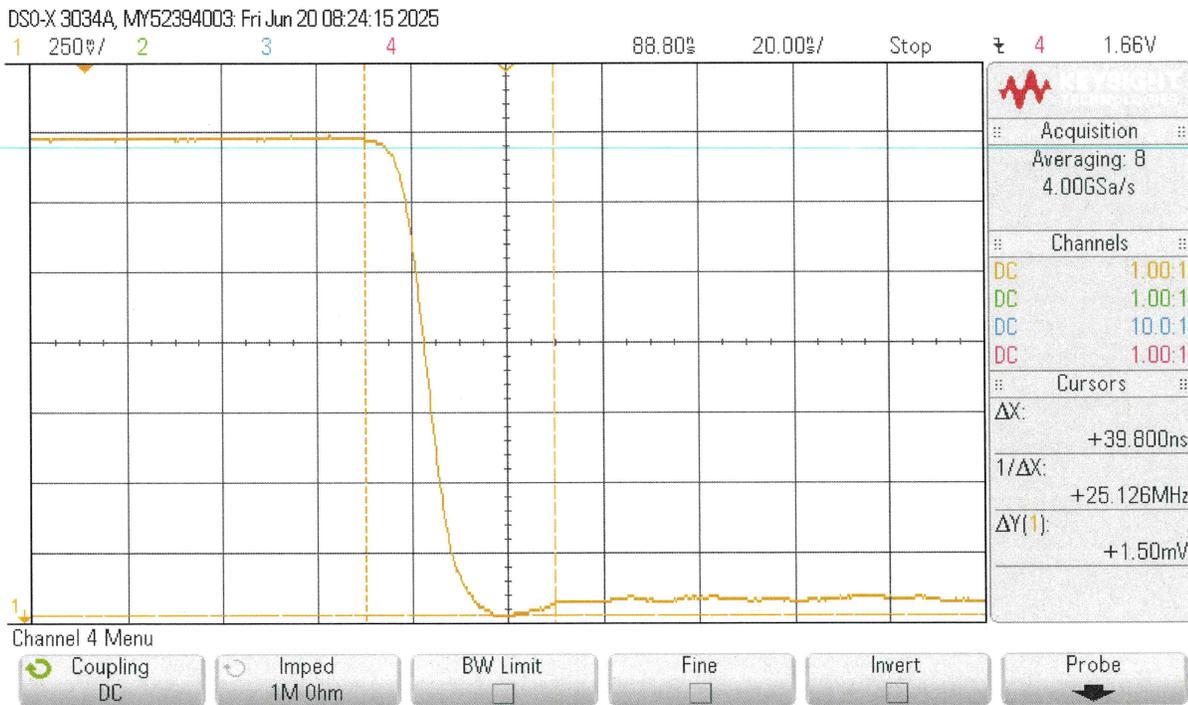
Fall Time = 11 ns





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Recovery Time = 39.8 ns





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TSS = -64.6 dBm

DSO-X 3034A, MY52394003: Fri Jun 20 08:27:31 2025

