



**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

Customer: _____	Tested By: <u>J.Emperador</u>
SO No: _____	Temperature: <u>+25°C (Unless Otherwise Specified)</u>
Model No: <u>SDLVA-2020-70 Opt 0518 A03 A07-50OHM</u>	Date: <u>06/02/21</u>
Serial No: <u>PL32608/2122</u>	Drawing No: <u>27610088</u> Rev: <u>A1</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.5GHz to 18.0GHz	0.5GHz to 18.0GHz See Plot	<b>PMI QA3</b>
2	Frequency Flatness:	±2.0dB Typ (0.5GHz to 18.0GHz)	±1.6 dB See Plot	
3	TSS:	-65dBm Min (8.0 to 18.0GHz)	-66.0 dBm See Plot	
4	VSWR:	3.0:1 (0.5 to 18.0GHz @ -20dBm)	In 2.7 :1 See Plot	
5	Logging Range	-65 dBm to +5 dBm	>-65 to +5 dBm See Plot	
6	Log Slope	20mV/dB (±10% Tolerance)	19.4 mV/dB See Plot	
7	Log Temperature Stability:	±1.75dB (0°C to 60°C)	± 1.54 dB See Plot	
8	Rise Time (10% to 90%):	20ns Max	12.0 ns See Plot	
9	Recover Time:	200ns Max (-65 dBm to +5 dBm)	105 ns See Plot	
10	Output Power:	+10dBm ±2.5dB Typ	11.67 dBm See Plot	
11	Output Video Load:	50Ω ±10% or as desired	Pass	
12	Power Supply:	+15V @ 600mA Max -15V @ 200mA Max	510 mA 100 mA	<b>PMI QA3</b>

QA/QC Approval: *A Zimmerman* Date: 6-4-2021



# SUMMARY TEST DATA ON SDLVA-2020-70 Opt 0518 A03 A07-500HM

PL32608/2122

## LOGGING CHARACTERISTICS @+25C

LOG TRANSFER VS FREQUENCY		Wednesday, June 2, 2021														 PLANAR MONOLITHIC INDUSTRIES 7311-F GROVE ROAD, FREDERICK, MD 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 URL: WWW.PMI-RF.COM EMAIL: SALES@PMI-RF.COM																
MODEL: SDLVA-2020-70 OPT. 0518, A03, A07-500HM TESTED BY: J.Emperador DATE: 06/02/21 SERIAL NO: PL32608		Test Temp: +25C																														
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)															
0.5 GHz	INTERCEPT (mV)															1447	Measured Value (mV)															
	SLOPE (mV/dB)															19.2	Error (mV)															
		210	298	388	481	582	684	772	867	962	1056	1157	1255	1352	1452	1548	LINEARITY ERROR (dB)															
		11	3	-3	-6	-1	5	-3	-4	-5	-7	-2	0	1	5	5																
		0.56	0.14	-0.17	-0.32	-0.06	0.26	-0.16	-0.20	-0.25	-0.36	-0.09	0.01	0.07	0.28	0.28																
1.8 GHz	INTERCEPT (mV)															1466	Measured Value (mV)															
	SLOPE (mV/dB)															19.9	Error (mV)															
		181	278	372	465	566	667	757	856	960	1062	1173	1273	1372	1472	1565	LINEARITY ERROR (dB)															
		11	8	2	-4	-3	-2	-11	-12	-8	-5	6	7	6	6	0																
		0.53	0.40	0.11	-0.22	-0.15	-0.08	-0.57	-0.60	-0.38	-0.26	0.31	0.33	0.30	0.31	-0.02																
3.2 GHz	INTERCEPT (mV)															1488	Measured Value (mV)															
	SLOPE (mV/dB)															20	Error (mV)															
		196	293	387	483	585	685	774	872	982	1091	1198	1297	1395	1493	1580	LINEARITY ERROR (dB)															
		10	7	0	-4	-2	-2	-13	-15	-6	3	10	9	7	5	-8																
		0.48	0.33	0.02	-0.19	-0.10	-0.10	-0.06	-0.77	-0.28	0.16	0.51	0.45	0.34	0.23	-0.42																
4.5 GHz	INTERCEPT (mV)															1490	Measured Value (mV)															
	SLOPE (mV/dB)															19.7	Error (mV)															
		217	316	410	504	605	702	789	889	998	1103	1205	1301	1398	1494	1576	LINEARITY ERROR (dB)															
		5	5	1	-3	-1	-2	-11	-11	-1	6	10	7	6	4	-12																
		0.23	0.27	0.05	-0.17	-0.03	-0.10	-0.67	-0.58	-0.04	0.30	0.49	0.38	0.31	0.19	-0.63																
5.9 GHz	INTERCEPT (mV)															1475	Measured Value (mV)															
	SLOPE (mV/dB)															19.3	Error (mV)															
		223	321	415	508	608	705	789	882	987	1089	1190	1285	1382	1482	1567	LINEARITY ERROR (dB)															
		3	5	2	-1	2	3	-10	-14	-5	0	5	3	4	7	-4																
		0.17	0.24	0.11	-0.07	0.11	0.13	-0.52	-0.70	-0.26	0.02	0.25	0.17	0.20	0.38	-0.22																
7.2 GHz	INTERCEPT (mV)															1464	Measured Value (mV)															
	SLOPE (mV/dB)															19.1	Error (mV)															
		222	320	414	505	605	703	789	884	989	1084	1180	1273	1371	1468	1555	LINEARITY ERROR (dB)															
		0	3	1	-3	1	3	-6	-7	3	2	2	0	2	4	-5																
		0.01	0.14	0.06	-0.18	0.05	0.18	-0.33	-0.36	0.14	0.11	0.13	-0.01	0.12	0.19	-0.26																
8.6 GHz	INTERCEPT (mV)															1466	Measured Value (mV)															
	SLOPE (mV/dB)															19.3	Error (mV)															
		214	311	405	496	597	698	786	884	988	1081	1178	1273	1371	1470	1559	LINEARITY ERROR (dB)															
		2	3	0	-5	-1	4	-5	-3	4	1	1	0	1	4	-4																
		0.11	0.13	0.00	-0.28	-0.05	0.19	-0.25	-0.18	0.21	0.03	0.06	-0.02	0.06	0.19	-0.20																
9.9 GHz	INTERCEPT (mV)															1444	Measured Value (mV)															
	SLOPE (mV/dB)															19.2	Error (mV)															
		194	294	390	481	582	685	775	871	971	1061	1155	1249	1346	1444	1537	LINEARITY ERROR (dB)															
		-5	0	0	-5	0	8	2	2	6	0	-1	-3	-2	0	-3																
		-0.23	-0.01	0.00	-0.25	0.02	0.40	0.09	0.10	0.32	0.02	-0.07	-0.16	-0.10	0.01	-0.13																
11.3 GHz	INTERCEPT (mV)															1447	Measured Value (mV)															
	SLOPE (mV/dB)															19.3	Error (mV)															
		189	286	382	473	575	680	772	867	971	1065	1159	1250	1348	1447	1541	LINEARITY ERROR (dB)															
		-1	-1	-1	-7	-2	6	2	0	7	5	2	-4	-3	0	-3																
		-0.04	-0.03	-0.07	-0.36	-0.09	0.34	0.09	0.00	0.37	0.23	0.09	-0.21	-0.14	-0.02	-0.17																
12.6 GHz	INTERCEPT (mV)															1438	Measured Value (mV)															
	SLOPE (mV/dB)															19.2	Error (mV)															
		185	284	379	468	569	675	765	860	963	1056	1152	1241	1338	1438	1532	LINEARITY ERROR (dB)															
		-2	1	0	-7	-3	7	1	0	6	3	3	-4	-4	0	-2																
		-0.08	0.06	-0.01	-0.38	-0.13	0.37	0.05	-0.02	0.33	0.16	0.15	-0.22	-0.19	0.01	-0.11																
14 GHz	INTERCEPT (mV)															1438	Measured Value (mV)															
	SLOPE (mV/dB)															19	Error (mV)															
		206	302	396	484	584	689	776	867	964	1055	1153	1244	1342	1441	1536	LINEARITY ERROR (dB)															
		0	1	1	-6	-1	9	2	-2	0	-4	-1	-4	-1	3	3																
		0.01	0.08	0.04	-0.32	-0.05	0.49	0.08	-0.12	0.00	-0.20	-0.03	-0.23	-0.06	0.16	0.17																
16.7 GHz	INTERCEPT (mV)															1482	Measured Value (mV)															
	SLOPE (mV/dB)															19.6	Error (mV)															
		214	312	407	495	596	702	791	891	1000	1091	1194	1287	1389	1487	1571	LINEARITY ERROR (dB)															
		4	4	1	-9	-5	3	-6	-4	7	0	5	0	4	5	-9																
		0.21	0.21	0.07	-0.44	-0.28	0.13	-0.32	-0.21	0.36	0.00	0.27	0.02	0.23	0.23	-0.48																
18 GHz	INTERCEPT (mV)															1480	Measured Value (mV)															
	SLOPE (mV/dB)															19.7	Error (mV)															
		210	307	400	485	584	691	781	883	966	1087	1188	1285	1386	1484	1572	LINEARITY ERROR (dB)															
		9	8	3	-11	-10	-2	-10	-6	8	1	4	2	5	4	-6																
		0.48	0.41	0.13	-0.55	-0.52	-0.08	-0.50	-0.32	0.42	0.05	0.18	0.11	0.25	0.23	-0.30																
Flatness																1.1	1.1	1.1	1.1	1.1	1	0.9	0.9	1	1.2	1.4	1.6	1.6	1.5	1.2		
Linearity Max. (dB)																0.56																
Linearity Min. (dB)																-0.77																
Average Slope (mV/dB)																19.4																

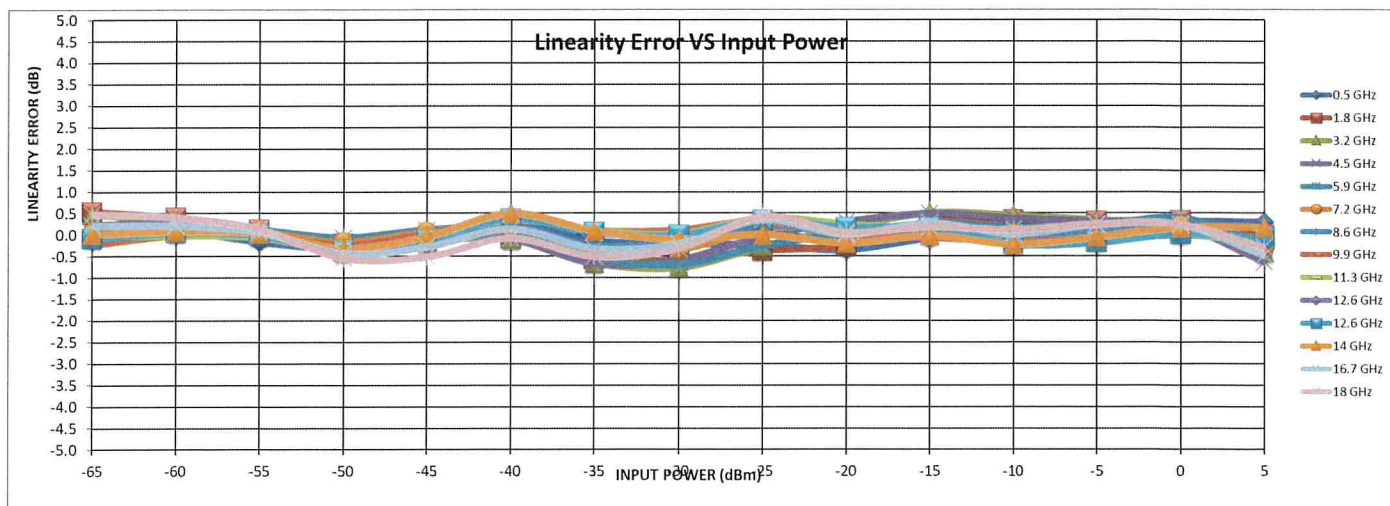
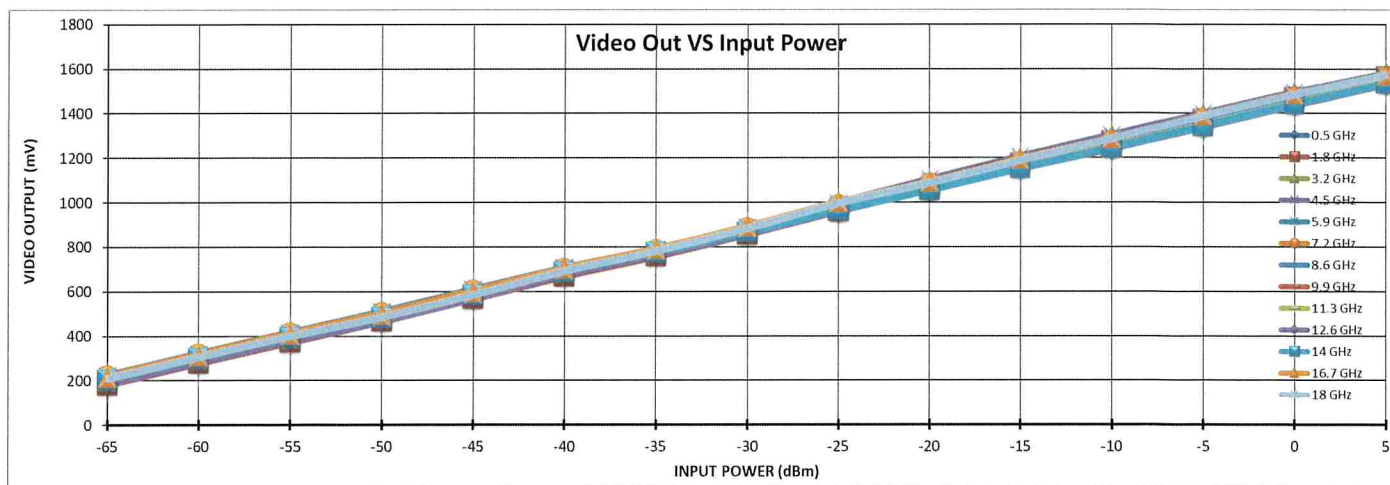




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ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

**LOGGING CHARACTERISTICS @25C**





**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

**LOGGING CHARACTERISTICS @ 0C**

LOG TRANSFER VS FREQUENCY		Wednesday, June 2, 2021														 PLANAR MONOLITHICS INDUSTRIES 7311-F GROVE ROAD, FREDERICK, MD 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 URL: WWW.PMI-RF.COM EMAIL: SALES@PMI-RF.COM	
MODEL: SDLVA-2020-70 OPT. 0518, A03, A07-50OHM																Test Temp: +0C	
TESTED BY: J.Emperador																	
DATE: 06/01/21																	
SERIAL NO: PL32608																	
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
0.5 GHz	INTERCEPT (mV)	1449														Measured Value (mV)	
	SLOPE (mV/dB)	21.2														Error (mV)	
		95	198	292	385	485	586	684	785	897	1039	1153	1250	1347	1450	1560	LINEARITY ERROR (dB)
		22	19	7	-6	-11	-16	-24	-29	-23	14	22	13	4	1	6	
		1.03	0.90	0.34	-0.26	-0.54	-0.76	-1.13	-1.36	-1.07	0.65	1.03	0.62	0.20	0.07	0.27	
1.8 GHz	INTERCEPT (mV)	1467														Measured Value (mV)	
	SLOPE (mV/dB)	21.9														Error (mV)	
		61	180	278	372	472	572	670	779	903	1049	1166	1283	1383	1468	1578	LINEARITY ERROR (dB)
		15	24	13	-2	-12	-21	-32	-33	-18	19	26	14	5	1	1	
		0.66	1.11	0.59	-0.11	-0.53	-0.96	-1.48	-1.49	-0.82	0.86	1.21	0.65	0.22	0.03	0.06	
3.2 GHz	INTERCEPT (mV)	1493														Measured Value (mV)	
	SLOPE (mV/dB)	21.9														Error (mV)	
		86	200	298	394	495	594	693	801	943	1085	1193	1288	1387	1490	1596	LINEARITY ERROR (dB)
		16	21	9	-4	-13	-23	-34	-35	-3	30	28	14	3	-3	-7	
		0.74	0.95	0.42	-0.19	-0.58	-1.06	-1.54	-1.61	-0.12	1.36	1.29	0.63	0.15	-0.14	-0.30	
4.5 GHz	INTERCEPT (mV)	1498														Measured Value (mV)	
	SLOPE (mV/dB)	21.7														Error (mV)	
		107	219	315	409	509	606	704	815	963	1097	1200	1294	1392	1494	1596	LINEARITY ERROR (dB)
		17	21	8	-6	-14	-25	-36	-33	7	32	27	13	3	-4	-10	
		0.78	0.95	0.38	-0.28	-0.66	-1.18	-1.65	-1.52	0.31	1.50	1.26	0.60	0.13	-0.16	-0.45	
5.9 GHz	INTERCEPT (mV)	1484														Measured Value (mV)	
	SLOPE (mV/dB)	21.3														Error (mV)	
		117	226	322	415	515	611	708	812	950	1083	1188	1280	1378	1484	1589	LINEARITY ERROR (dB)
		17	19	9	-5	-11	-21	-31	-33	-2	25	24	9	1	0	-1	
		0.79	0.91	0.42	-0.21	-0.51	-1.00	-1.45	-1.56	-0.08	1.17	1.11	0.43	0.03	0.01	-0.05	
7.2 GHz	INTERCEPT (mV)	1481														Measured Value (mV)	
	SLOPE (mV/dB)	21.3														Error (mV)	
		110	222	318	410	510	608	708	819	965	1084	1182	1274	1373	1477	1583	LINEARITY ERROR (dB)
		12	18	7	-7	-14	-22	-28	-24	16	28	20	5	-2	-4	-5	
		0.57	0.83	0.34	-0.34	-0.64	-1.04	-1.34	-1.12	0.74	1.33	0.93	0.26	-0.09	-0.21	-0.23	
8.6 GHz	INTERCEPT (mV)	1482														Measured Value (mV)	
	SLOPE (mV/dB)	21.5														Error (mV)	
		101	213	309	400	500	601	704	820	965	1080	1179	1272	1371	1477	1587	LINEARITY ERROR (dB)
		13	18	7	-9	-17	-23	-27	-19	19	27	19	4	-4	-5	-3	
		0.62	0.84	0.32	-0.44	-0.78	-1.07	-1.27	-0.87	0.89	1.25	0.86	0.20	-0.19	-0.25	-0.12	
9.9 GHz	INTERCEPT (mV)	1460														Measured Value (mV)	
	SLOPE (mV/dB)	21.4														Error (mV)	
		64	187	290	384	487	590	692	801	935	1056	1156	1250	1348	1451	1564	LINEARITY ERROR (dB)
		-3	13	9	-4	-8	-13	-18	-16	11	25	17	4	-5	-9	-4	
		-0.12	0.62	0.42	-0.19	-0.39	-0.59	-0.83	-0.75	0.50	1.15	0.81	0.19	-0.24	-0.43	-0.16	
11.3 GHz	INTERCEPT (mV)	1457														Measured Value (mV)	
	SLOPE (mV/dB)	21.2														Error (mV)	
		91	202	296	385	484	588	689	797	935	1059	1156	1248	1347	1453	1567	LINEARITY ERROR (dB)
		15	20	7	-10	-17	-19	-25	-23	9	27	17	3	-4	-4	3	
		0.70	0.93	0.35	-0.46	-0.80	-0.91	-1.16	-1.07	0.42	1.26	0.82	0.15	-0.19	-0.20	0.16	
12.6 GHz	INTERCEPT (mV)	1445														Measured Value (mV)	
	SLOPE (mV/dB)	21.6														Error (mV)	
		46	180	287	362	466	573	675	780	910	1037	1142	1232	1332	1437	1551	LINEARITY ERROR (dB)
		3	9	8	-5	-9	-9	-15	-18	4	23	21	3	-5	-8	-2	
		0.13	0.42	0.38	-0.22	-0.39	-0.43	-0.70	-0.83	0.19	1.08	0.95	0.12	-0.24	-0.37	-0.08	
14 GHz	INTERCEPT (mV)	1443														Measured Value (mV)	
	SLOPE (mV/dB)	21.1														Error (mV)	
		65	199	295	383	483	588	686	788	912	1039	1147	1238	1337	1441	1553	LINEARITY ERROR (dB)
		10	19	10	-7	-13	-13	-20	-24	-5	17	20	5	-1	-2	4	
		0.49	0.91	0.47	-0.36	-0.61	-0.62	-0.97	-1.12	-0.23	0.80	0.93	0.25	-0.05	-0.11	0.21	
16.7 GHz	INTERCEPT (mV)	1490														Measured Value (mV)	
	SLOPE (mV/dB)	21.6														Error (mV)	
		106	218	313	399	498	602	704	819	967	1083	1189	1282	1384	1488	1590	LINEARITY ERROR (dB)
		20	22	9	-13	-22	-25	-31	-24	16	25	23	8	2	-2	-7	
		0.91	1.01	0.42	-0.59	-1.00	-1.18	-1.45	-1.11	0.76	1.14	1.05	0.37	0.10	-0.08	-0.34	
18 GHz	INTERCEPT (mV)	1498														Measured Value (mV)	
	SLOPE (mV/dB)	21.4														Error (mV)	
		123	232	328	414	511	616	717	833	984	1091	1194	1291	1392	1494	1602	LINEARITY ERROR (dB)
		19	20	9	-12	-22	-24	-31	-22	22	22	18	7	1	-4	-3	
		0.87	0.95	0.43	-0.56	-1.03	-1.14	-1.43	-1.02	1.03	1.02	0.82	0.34	0.05	-0.19	-0.15	
Flatness		1.8	1.7	1.4	1.2	1.1	1	1.1	1.3	2	1.4	1.4	1.4	1.4	1.3	1.2	
Linearity Max. (dB)		1.50															
Linearity Min. (dB)		-1.65															
Average Slope (mV/dB)		21.5															

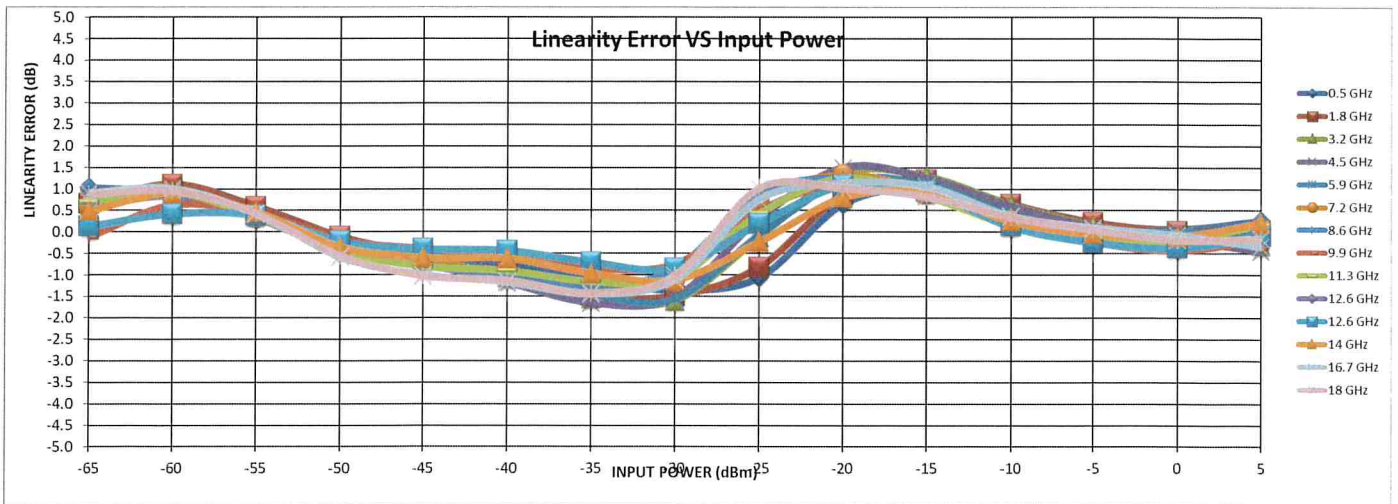
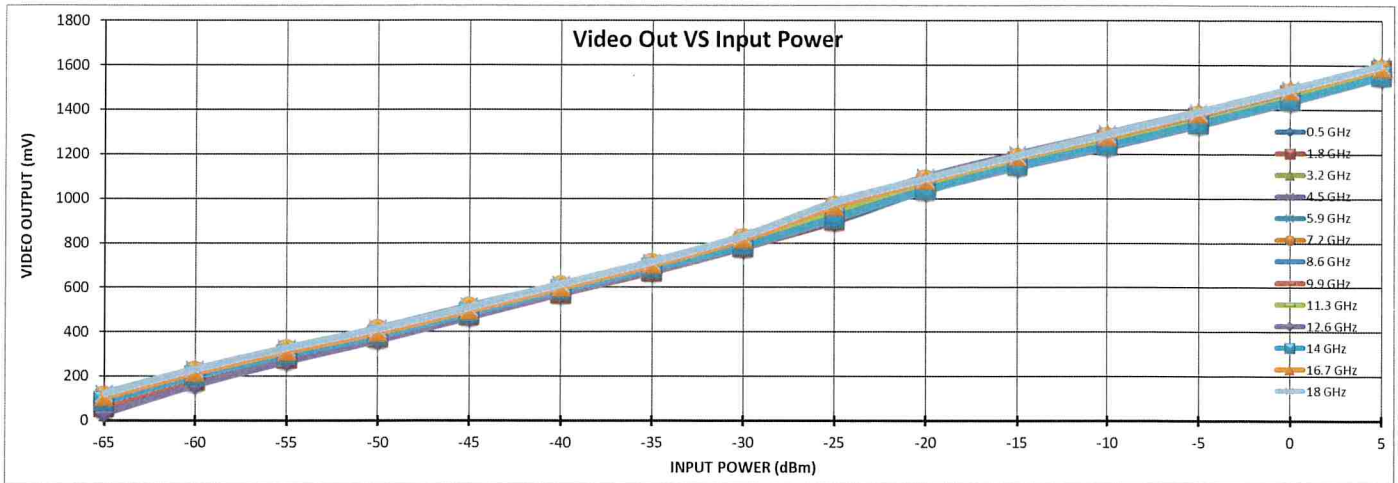




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ON  
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A07-50OHM**

**PL32608/2122**

**LOGGING CHARACTERISTICS @ 0C**





**SUMMARY TEST DATA  
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A07-50OHM**

**PL32608/2122**

**LOGGING CHARACTERISTICS @ +60C**

LOG TRANSFER VS FREQUENCY		Wednesday, June 2, 2021														 PLANAR MONOLITHICS INDUSTRIES 7311-F GROVE ROAD, FREDERICK, MD 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 URL: WWW.PMI-RF.COM EMAIL: SALES@PMI-RF.COM		
MODEL: SDLVA-2020-70 OPT. 0518, A03, A07-50OHM																Test Temp: +60C		
TESTED BY: J.Emperador																		
DATE: 06/02/21																		
SERIAL NO: PL32608																		
Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)	
0.5 GHz	INTERCEPT (mV)															1418		
	SLOPE (mV/dB)															17.8		
		268	342	429	525	620	720	809	894	976	1048	1137	1230	1325	1424	1517	Measured Value (mV)	
	6	-9	-10	-3	3	14	14	10	3	-14	-14	-10	-4	6	10	Error (mV)		
		0.36	-0.48	-0.59	-0.19	0.15	0.77	0.77	0.55	0.16	-0.80	-0.80	-0.57	-0.23	0.34	0.56	LINEARITY ERROR (dB)	
1.8 GHz	INTERCEPT (mV)															1439		
	SLOPE (mV/dB)															18.5		
		248	325	414	510	603	699	792	879	971	1056	1155	1251	1349	1449	1537	Measured Value (mV)	
	14	-1	-5	-2	-1	2	2	-4	-4	-12	-6	-2	3	10	6	Error (mV)		
		0.77	-0.07	-0.27	-0.09	-0.08	0.10	0.12	-0.19	-0.23	-0.64	-0.30	-0.13	0.16	0.55	0.30	LINEARITY ERROR (dB)	
3.2 GHz	INTERCEPT (mV)															1461		
	SLOPE (mV/dB)															18.7		
		260	340	431	527	622	718	807	891	985	1080	1180	1276	1376	1471	1554	Measured Value (mV)	
	12	-1	-3	-1	1	4	-1	-10	-10	-8	-1	1	8	10	-1	Error (mV)		
		0.66	-0.06	-0.18	-0.04	0.05	0.19	-0.04	-0.55	-0.51	-0.42	-0.07	0.07	0.43	0.52	-0.04	LINEARITY ERROR (dB)	
4.5 GHz	INTERCEPT (mV)															1463		
	SLOPE (mV/dB)															18.2		
		279	366	459	550	644	739	823	909	1000	1092	1187	1280	1378	1471	1549	Measured Value (mV)	
	3	-2	0	0	3	6	-1	-6	-6	-6	-2	0	7	8	-5	Error (mV)		
		0.14	-0.09	0.01	-0.01	0.15	0.35	-0.05	-0.33	-0.35	-0.30	-0.10	0.00	0.37	0.47	-0.26	LINEARITY ERROR (dB)	
5.9 GHz	INTERCEPT (mV)															1450		
	SLOPE (mV/dB)															18		
		281	368	462	552	645	739	821	902	999	1090	1175	1267	1365	1460	1542	Measured Value (mV)	
	1	-2	2	2	5	9	1	-8	-11	-10	-5	-3	5	10	2	Error (mV)		
		0.05	-0.11	0.11	0.11	0.28	0.51	0.06	-0.44	-0.60	-0.55	-0.27	-0.15	0.29	0.57	0.13	LINEARITY ERROR (dB)	
7.2 GHz	INTERCEPT (mV)															1442		
	SLOPE (mV/dB)															17.9		
		279	366	459	547	640	735	818	901	990	1077	1167	1258	1356	1452	1534	Measured Value (mV)	
	0	-2	1	0	3	9	2	-4	-5	-7	-7	-5	3	10	2	Error (mV)		
		0.02	-0.12	0.08	-0.01	0.18	0.49	0.13	-0.24	-0.27	-0.41	-0.38	-0.30	0.17	0.54	0.11	LINEARITY ERROR (dB)	
8.6 GHz	INTERCEPT (mV)															1444		
	SLOPE (mV/dB)															18.1		
		269	354	447	538	632	730	817	902	989	1073	1164	1258	1355	1452	1537	Measured Value (mV)	
	1	-4	-2	-1	2	10	6	1	-3	-9	-9	-5	1	8	2	Error (mV)		
		0.07	-0.23	-0.09	-0.06	0.13	0.54	0.35	0.05	-0.15	-0.50	-0.48	-0.28	0.08	0.44	0.13	LINEARITY ERROR (dB)	
9.9 GHz	INTERCEPT (mV)															1421		
	SLOPE (mV/dB)															17.9		
		258	341	433	524	618	716	805	889	975	1054	1142	1234	1330	1426	1515	Measured Value (mV)	
	0	-6	-4	-2	2	11	10	5	2	-9	-10	-8	-1	5	5	Error (mV)		
		0.02	-0.34	-0.20	-0.12	0.13	0.61	0.59	0.28	0.09	-0.50	-0.58	-0.44	-0.08	0.29	0.26	LINEARITY ERROR (dB)	
11.3 GHz	INTERCEPT (mV)															1427		
	SLOPE (mV/dB)															18.1		
		253	332	424	517	612	711	804	887	975	1058	1147	1237	1334	1432	1521	Measured Value (mV)	
	4	-7	-6	-3	1	9	12	4	1	-6	-8	-8	-2	5	4	Error (mV)		
		0.25	-0.40	-0.32	-0.19	0.05	0.51	0.65	0.22	0.08	-0.34	-0.43	-0.47	-0.11	0.29	0.20	LINEARITY ERROR (dB)	
12.6 GHz	INTERCEPT (mV)															1419		
	SLOPE (mV/dB)															18		
		253	333	424	514	608	707	797	879	967	1052	1142	1231	1327	1426	1516	Measured Value (mV)	
	6	-4	-4	-4	0	9	9	1	-2	-7	-7	-8	-2	7	7	Error (mV)		
		0.32	-0.25	-0.20	-0.21	0.00	0.49	0.49	0.03	-0.09	-0.37	-0.38	-0.45	-0.12	0.37	0.36	LINEARITY ERROR (dB)	
14 GHz	INTERCEPT (mV)															1421		
	SLOPE (mV/dB)															17.8		
		266	348	439	528	622	722	808	887	971	1052	1144	1234	1330	1428	1519	Measured Value (mV)	
	2	-5	-3	-3	2	13	10	0	-5	-13	-10	-9	-2	7	9	Error (mV)		
		0.14	-0.26	-0.14	-0.14	0.14	0.76	0.59	0.03	-0.25	-0.70	-0.54	-0.48	-0.09	0.42	0.53	LINEARITY ERROR (dB)	
16.7 GHz	INTERCEPT (mV)															1456		
	SLOPE (mV/dB)															18.3		
		270	355	448	535	631	733	820	905	998	1081	1178	1269	1370	1464	1544	Measured Value (mV)	
	4	-2	-1	-6	-1	9	5	-2	0	-9	-3	-4	6	8	-4	Error (mV)		
		0.22	-0.13	-0.05	-0.30	-0.06	0.51	0.26	-0.09	-0.02	-0.48	-0.18	-0.21	0.30	0.44	-0.19	LINEARITY ERROR (dB)	
18 GHz	INTERCEPT (mV)															1450		
	SLOPE (mV/dB)															18.3		
		270	354	444	528	621	722	811	897	993	1076	1172	1265	1364	1459	1542	Measured Value (mV)	
	9	2	0	-7	-6	4	1	-4	0	-8	-4	-2	5	9	0	Error (mV)		
		0.51	0.10	0.02	-0.39	-0.31	0.21	0.07	-0.23	0.02	-0.45	-0.21	-0.12	0.28	0.47	0.01	LINEARITY ERROR (dB)	
Flatness		0.9	1.2	1.3	1.2	1.2	1.1	0.9	0.8	0.9	1.2	1.4	1.4	1.5	1.3	1.1		
Linearity Max.(dB)=																0.77		
Linearity Min.(dB)=																-0.80		
Average Slope (mV/dB)																18.1		

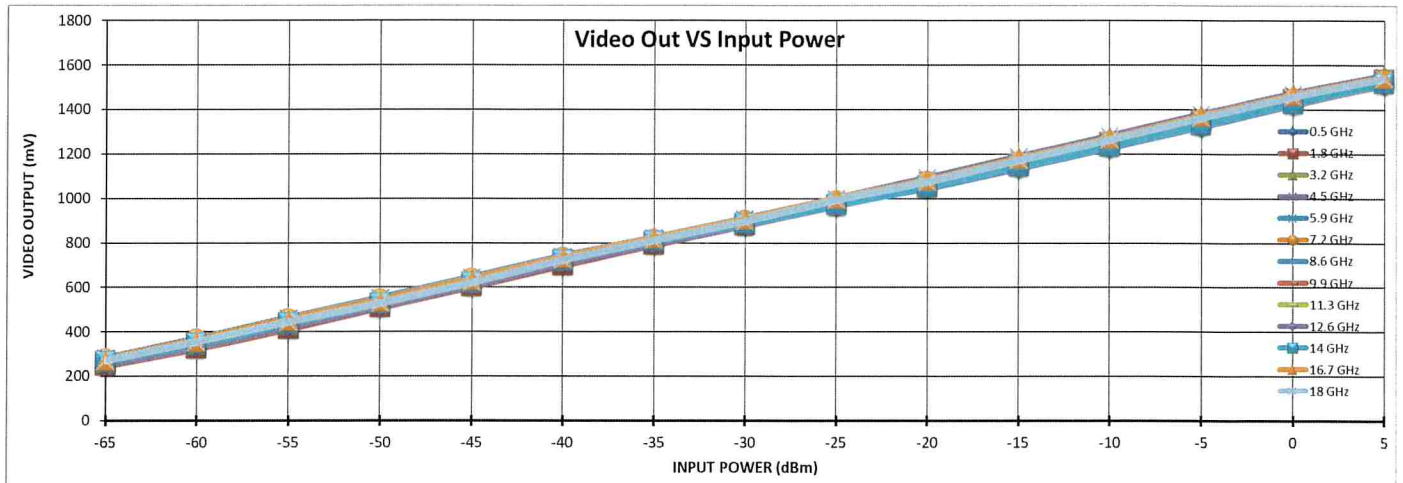




**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

**LOGGING CHARACTERISTICS @ +60C**





**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

**P-Sat**

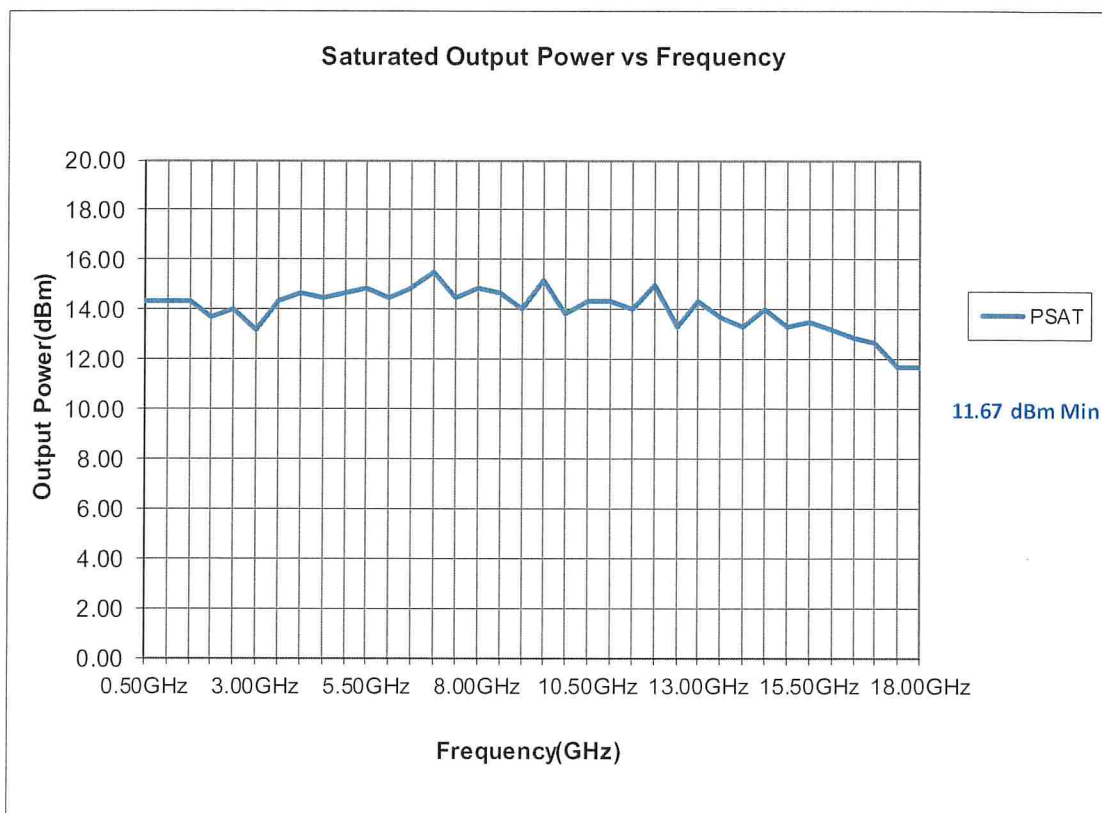
**MODEL: SDLVA-2020-70 OPT. 0518, A03, A07-50OHM**

**Test Temp: 25C**

**TESTED BY: J. Emperador**

**DATE: 06/02/21**

**SERIAL NO: PL32608**







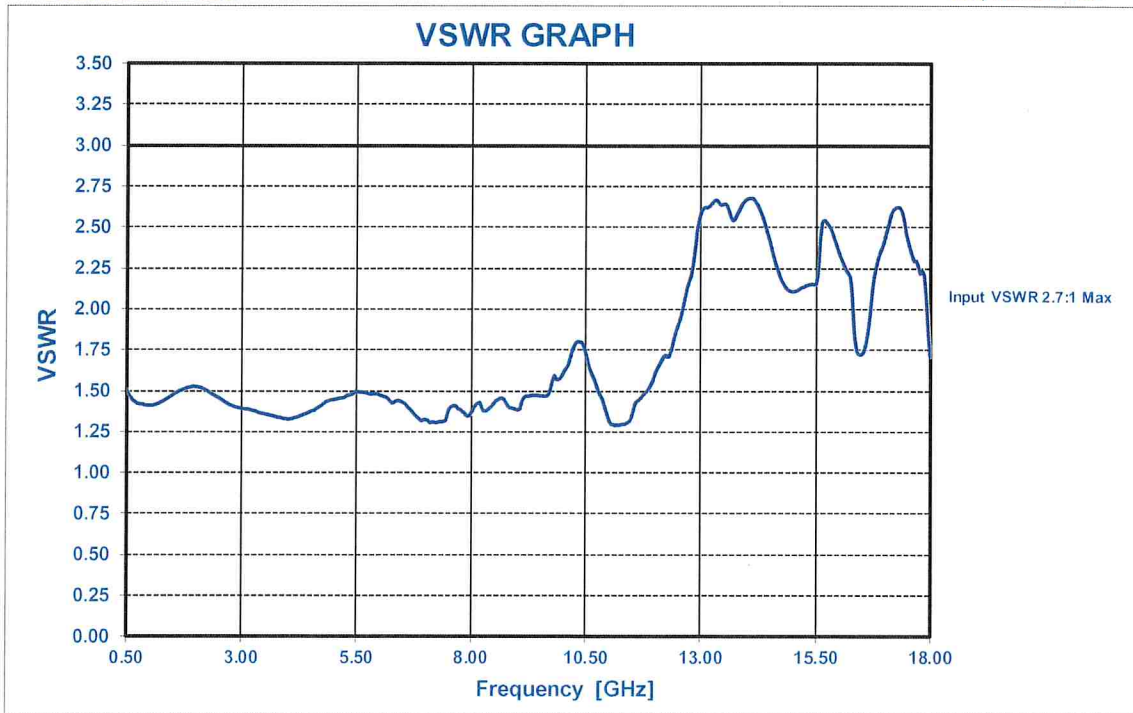
**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

**INPUT VSWR**

Model Number: SDLVA-2020-70 OPT. 0518  
Serial Number: PL32608

Temperature: +25C

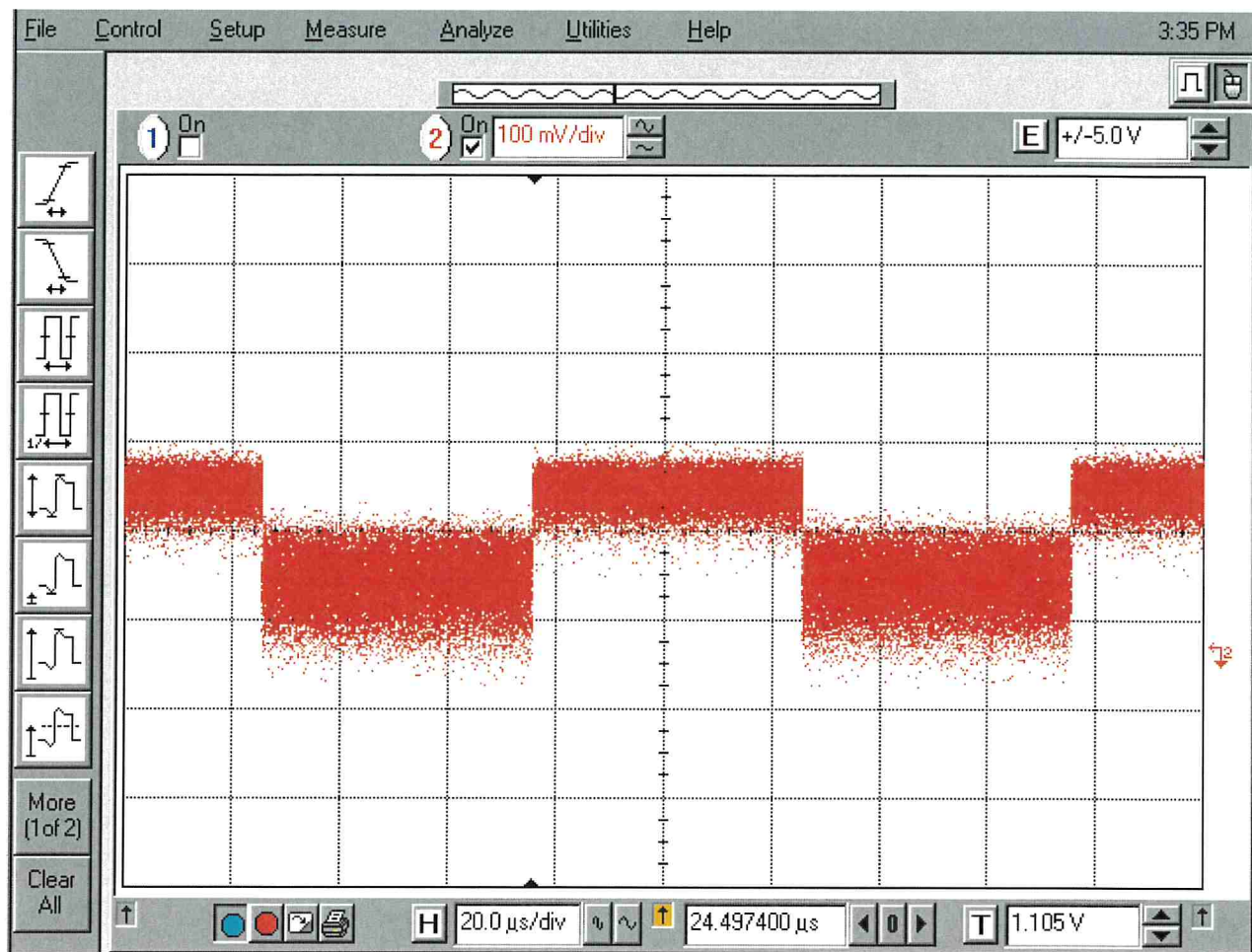




**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

TSS @ -66.0 dBm



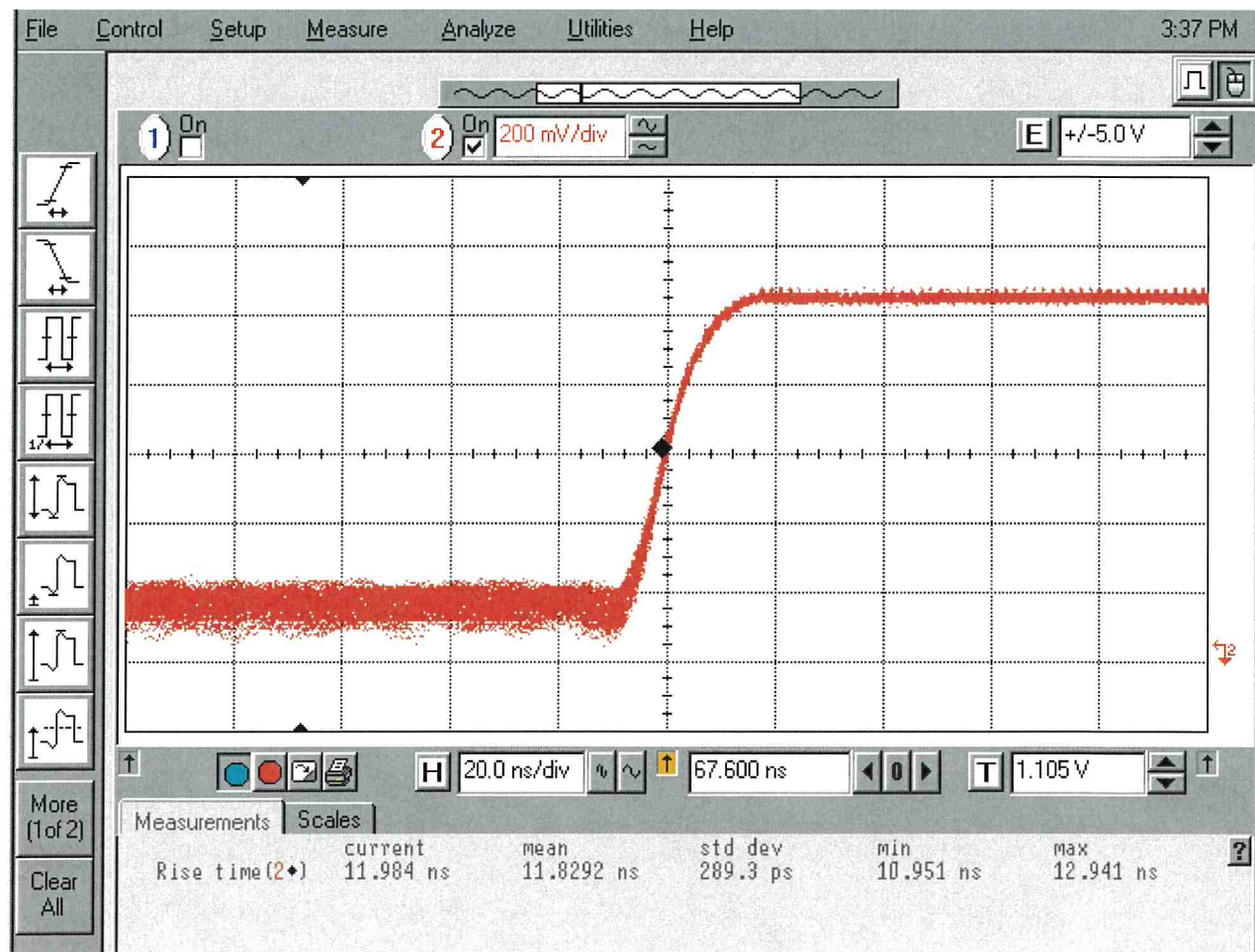




**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

Rise Time @ 12.0 ns





**SUMMARY TEST DATA  
ON  
SDLVA-2020-70 Opt 0518 A03  
A07-50OHM**

**PL32608/2122**

Recovery Time @ 105 ns

