



**SUMMARY TEST DATA
ON
SDLVA-100M6G-CD-2**

PL32728/2146

Customer: _____	Tested By: <u>JOHNM</u>
SO No: _____	Temperature: <u>25°C</u>
Model No: <u>SDLVA-100M6G-CD-2</u>	Date: <u>01/06/22</u>
Serial No: <u>PL32728/2146</u>	Drawing No: <u>27641180</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	100 MHz to 6 GHz	100 MHz to 6 GHz	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">QA</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">QC</div> </div>
2	RF Gain (Small Signal):	55 dB Typ. (J1 to J2) @-50dBm	61 dB	
3	Video Flatness over Frequency:	± 50 mV Max	± 60.5 mV See Plot #1	
4	TSS:	-73 dBm Typ., -71 dBm Max (25°C)	-73 dBm See Plot #2	
5	VSWR:	2.0:1 (J1 VSWR)	1.40:1 See Plot #3	
6	PSAT:	+13 dBm Typ. (J2)	+13.37 dBm See Plot #4	
7	Power Input:	+17 dBm CW Max (J1)	Pass	
8	Log Slope:	25 mV/dB Typ. (J3) (50Ω Load) @ 25°C	24.4 mV/dB Avg. See Plots #1	
9	Log Range:	-70 to 0 dBm	-70 TO 0 dBm	
10	Log Linearity	±2.5 dB (J3) @ 25°C	± 1.73 dB See Plot #1	
11	DC Offset:	50 ± 50 mV (J3)	31 mV	
12	Pulse Range:	100 ns to CW	100 ns	
13	Rise Time:	30 ns (Max)	58 ns	
14	Recovery Time:	200 ns (Max)	1000 ns	
15	Harmonics:	15 dBc Min -70 to 0 dBm	-25 dBc	
16	DC Supply:	+15 VDC @ 350 mA -15V DC @ 180 mA	+15 VDC @ 230 mA -15 VDC @ 90 mA	

QA/QC Approval: _____

K. Martin

Date: _____

1-10-22



SUMMARY TEST DATA ON SDLVA-100M6G-CD-2

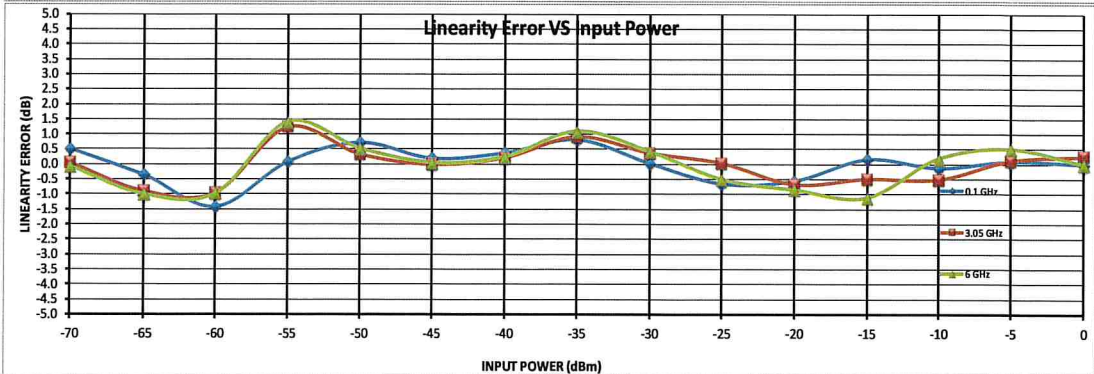
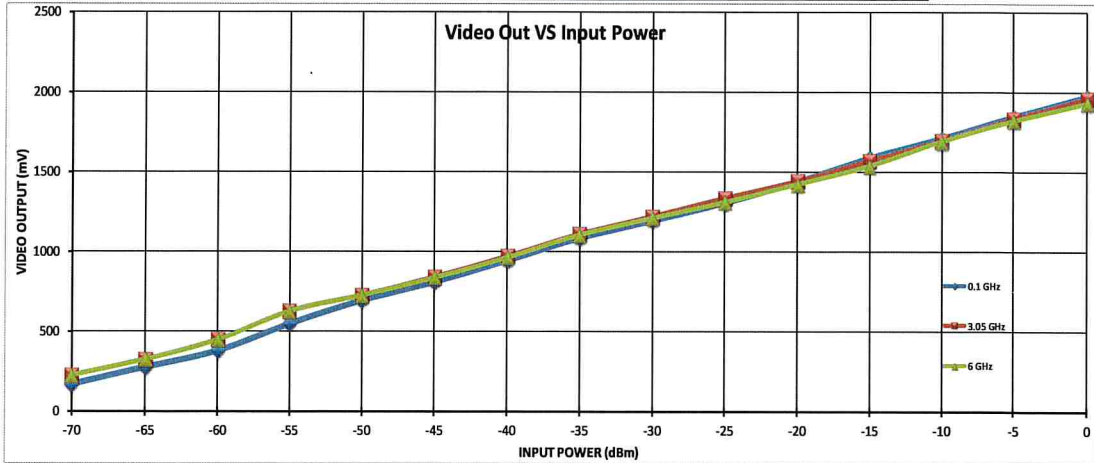
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MODEL: SDLVA-100M6G-CD-2
SERIAL NO: PL32728
DATE: 01-06-22
TESTED BY: Jim Hopson
Test Temp: +25°C



PLANAR MONOLITHICS INDUSTRIES
4621 Robert J. Mathews Parkway Suite 1
El Dorado Hills, CA 95762
Phone 916-542-1401 Fax 301-662-1731
WEB: WWW.PMI-RF.COM

Frequency		-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
0.1 GHz	INTERCEPT (mV)	172	279	381	549	695	811	945	1086	1195	1307	1439	1587	1709	1844	1971	Measured Value (mV)
	SLOPE (mV/dB)	14	-9	-36	2	19	5	10	21	1	-17	-14	4	-3	3	0	Error (mV)
		0.52	-0.34	-1.40	0.08	0.72	0.20	0.38	0.82	0.03	-0.64	-0.54	0.17	-0.11	0.10	0.00	1.40
3.05 GHz	INTERCEPT (mV)	227	327	449	627	728	843	972	1113	1223	1338	1444	1572	1695	1834	1961	Measured Value (mV)
	SLOPE (mV/dB)	1	-22	-24	31	8	0	5	23	9	1	-17	-12	-13	3	6	Error (mV)
		0.05	-0.90	-0.96	1.25	0.34	-0.01	0.21	0.92	0.38	0.03	-0.68	-0.49	-0.51	0.11	0.26	1.25
6 GHz	INTERCEPT (mV)	229	328	450	629	729	839	965	1107	1212	1311	1424	1539	1692	1821	1930	Measured Value (mV)
	SLOPE (mV/dB)	-2	-24	-23	34	13	1	6	27	10	-12	-21	-27	5	12	0	Error (mV)
		-0.06	-0.99	-0.96	1.41	0.53	0.06	0.25	1.10	0.42	-0.50	-0.85	-1.11	0.19	0.51	0.00	1.41
Avg. Slope: 25 mV/dB		1.2	1	1.4	1.6	0.7	0.6	0.5	0.5	0.6	0.6	0.4	1	0.3	0.5	0.8	
Flatness dB: ±1.6 dB																	

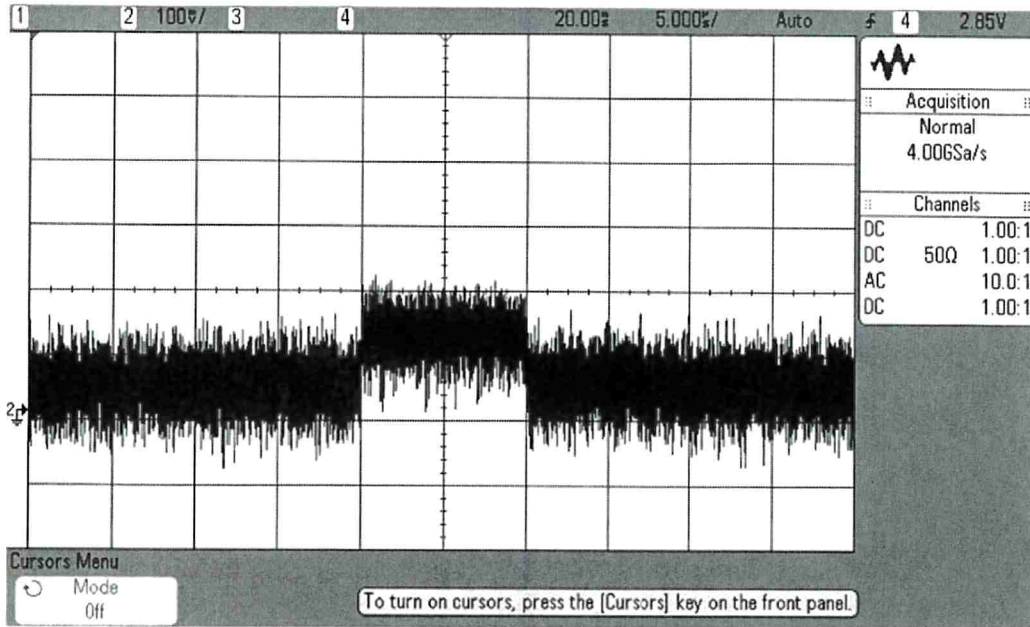




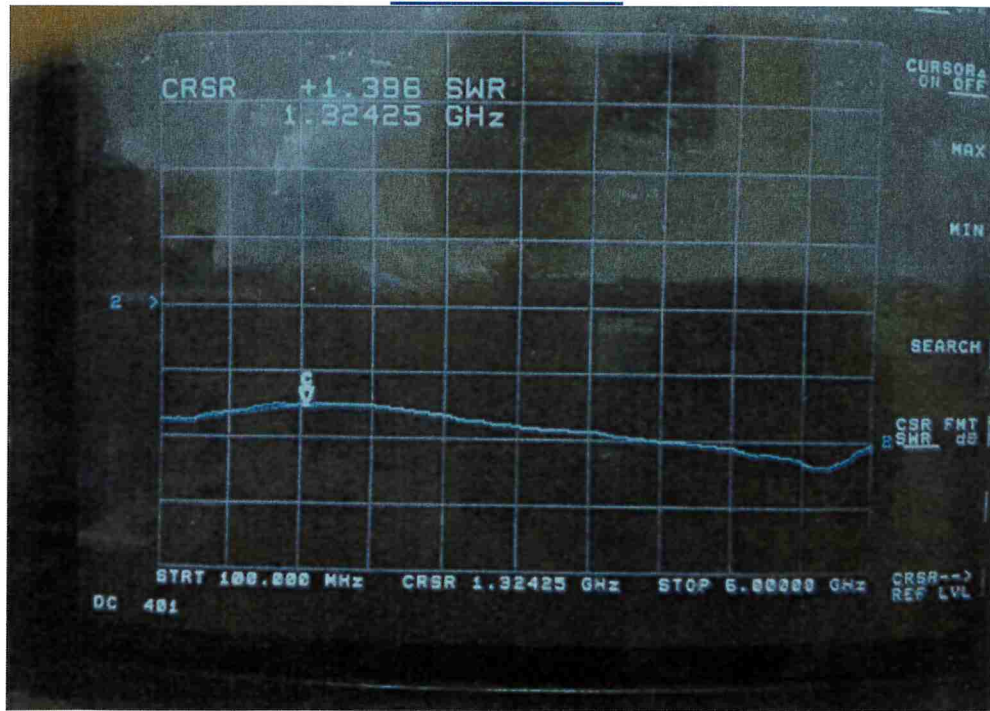
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TSS PLOT #2



VSWR PLOT #3





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PSAT PLOT #4

