



**SUMMARY TEST DATA
ON
SDLVA-250M6G-CD-1**

PL27091/1946

Customer: _____ Tested By: J. Emperador
 SO No: _____ Temperature: +25°C
 Model No: SDLVA-250M6G-CD-1 Date: 11/13/2019
 Serial No: PL27091/1946 Drawing No: 27618563 Rev: A5

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	250 MHz to 6 GHZ	250 MHz to 6 GHZ	PMI QA 1
2	Pulse Range:	30 ns to CW	30 ns to CW	
3	Input Power:	+17 dBm CW Max.	+17 dBm CW Max.	
4	Flatness:	± 2.0 dB Max.	± 1.5 dB	
5	Log Linearity	± 2.5 dB Max.	± 1.15 dB (See Plot)	
6	Log Range:	-70 to 0 dBm	-70 to 0 dBm	
7	Log Slope	25mV/dB Typ (±5%) 50 Ω Load	25.9 mV/dB (See Plot)	
8	VSWR:	2.0:1 Max.	1.98 :1 (See Plot)	
9	RF Gain:	55 dB Typ.	See Typical Characteristics	
10	RF Limiting:	>+5 dBm for -45 to 0 dBm Input Power	13.34 dBm (See Plot)	
11	Rise Time:	10 ns Max.	See Typical Characteristics	
12	Recovery Time:	60 ns Max.	See Typical Characteristics	
13	TSS:	-73 dBm Typ.	-73.5 dBm (See Plot)	
14	DC Supply:	+15VDC @ 350 mA -15VDC @ 180 mA	+15 VDC @ 223 mA -15 VDC @ 97 mA	PMI QA 1

QA/QC Approval:  PMI QA 1 Date: 11/15/19



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LOG SLOPE / LINEARITY PLOTS

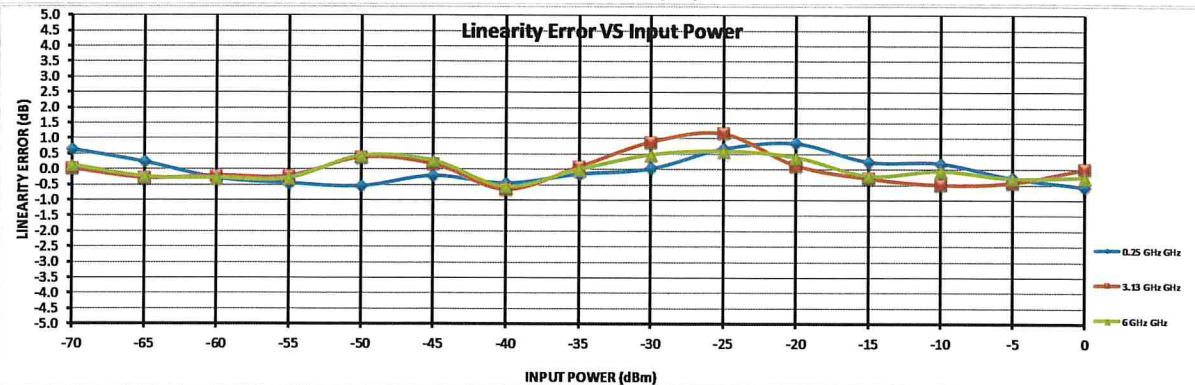
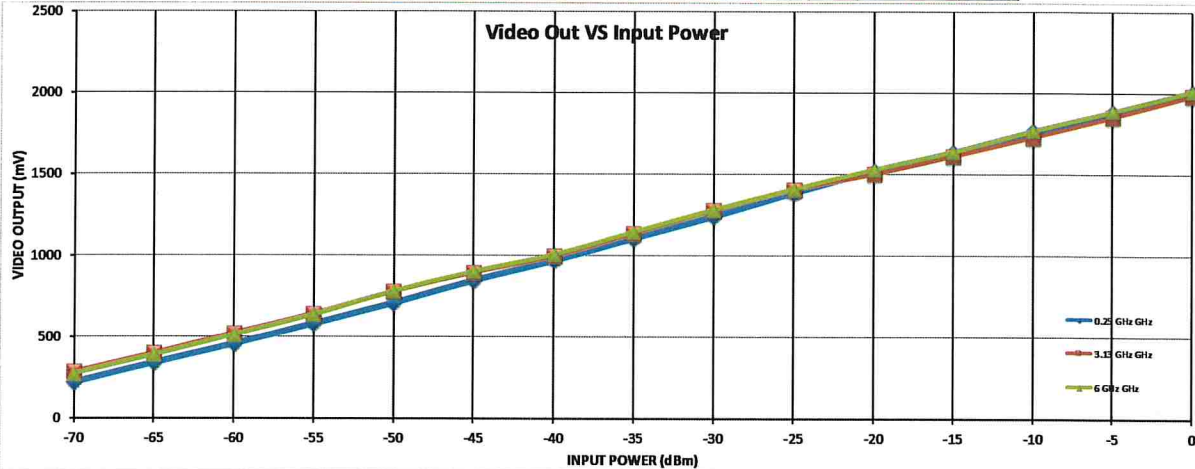
LOG TRANSFER WITH FREQUENCY @ 25 °C
MODEL: SDLVA-250M6G-CD-1
TESTED BY: J. Emperador
SERIAL No. : PL27091



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

Vos= +127 mV

Frequency		-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
0.25 GHz	INTERCEPT (mV)	223	342	458	583	710	848	971	1108	1242	1388	1522	1636	1764	1881	2003	Measured Value (mV)
	SLOPE (mV/dB)	17	6	-7	-11	-14	-5	-12	-4	1	17	22	7	5	-7	-15	Error (mV)
		0.64	0.24	-0.27	-0.44	-0.53	-0.20	-0.45	-0.15	0.03	0.67	0.85	0.25	0.20	-0.28	-0.56	0.85
3.13 GHz	INTERCEPT (mV)	285	399	522	643	779	895	996	1135	1276	1404	1500	1611	1727	1850	1982	Measured Value (mV)
	SLOPE (mV/dB)	0	-7	-5	-6	9	4	-16	1	21	28	3	-8	-13	-11	0	Error (mV)
		0.00	-0.30	-0.23	-0.24	0.37	0.16	-0.68	0.06	0.87	1.15	0.11	-0.31	-0.52	-0.45	-0.01	1.15
6 GHz	INTERCEPT (mV)	275	391	515	640	783	904	1008	1147	1284	1412	1532	1642	1771	1890	2016	Measured Value (mV)
	SLOPE (mV/dB)	3	-6	-7	-7	11	7	-14	0	12	15	10	-5	-1	-8	-7	Error (mV)
		0.11	-0.25	-0.29	-0.29	0.43	0.27	-0.57	-0.01	0.47	0.58	0.38	-0.22	-0.06	-0.30	-0.26	0.58
Flatness dB		1.3	1.2	1.3	1.2	1.5	1.2	0.8	0.8	0.9	0.5	0.7	0.6	0.9	0.8	0.7	





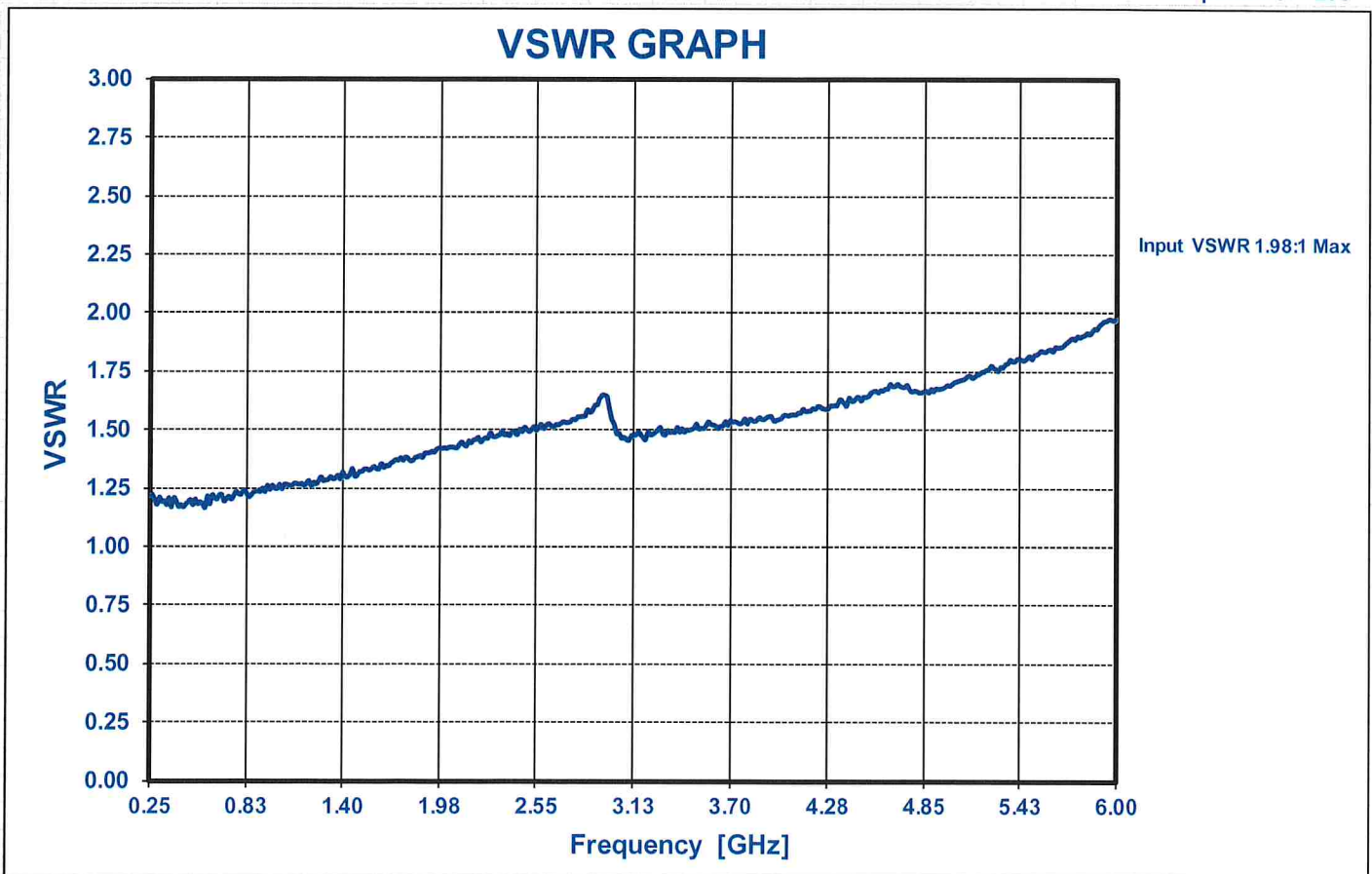
**SUMMARY TEST DATA
ON
SDLVA-250M6G-CD-1**

PL27091/1946

VSWR PLOT

Model Number: SDLVA-500M6G-CD-1
Serial Number: PL27091

Temperature: +25C



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**SUMMARY TEST DATA
ON
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PL27091/1946

RF LIMITING PLOT

MODEL: SDLVA-250M6G-CD-1

TESTED BY: J. Emperador

DATE: 11/11/2019

SERIAL NO: PL27091

AVG PWR **13.344**

