



Tested By:	DA
Temperature:	+25°C
Date:	01/21/25
Drawing No:	27637200

QA/QC Approval: K. Klauz Date: 1-22-25

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Email: sales@pmi-rf.com



**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph #1

Log Transfer vs Frequency @+25C

MODEL: SDLVA-18G40G-65-CD-292FF-OTPHS SERIAL NO: PL50077 DATE: 01/21/25 TESTED BY: DA Test Temp: +25C																 PLANAR MONOLITHICS INDUSTRIES 4921 Robert J. Mathews Parkway Suit 1 El Dorado Hills, CA 95762 TEL: 916-542-1401 FAX: 916-265-2597 EMAIL: SALES@PMI-RF.COM																													
GRAPH #1																																													
Frequency																RF Input Power (dBm)																													
18 GHz																-63	-58	-53	-48	-43	-38	-33	-28	-23	-18	-13	-8	-3	2																
																137	263	397	531	638	769	906	1044	1193	1317	1441	1574	1709	1839																
																9	3	6	8	-16	-17	-11	-4	13	6	-2	0	3	2																
																0.33	0.12	0.22	0.32	-0.61	-0.63	-0.42	-0.17	0.50	0.22	-0.07	-0.01	0.13	0.08																
23.5 GHz																158	287	426	553	663	796	934	1073	1225	1344	1472	1608	1743	1875																
																7	4	11	5	-17	-17	-11	-4	15	2	-3	1	4	3																
																0.28	0.15	0.40	0.19	-0.65	-0.63	-0.42	-0.17	0.57	0.07	-0.10	0.04	0.14	0.12																
29 GHz																151	280	417	545	654	786	923	1062	1208	1317	1441	1576	1712	1844																
																2	1	8	8	-15	-13	-6	-3	19	-2	-8	-3	3	5																
																0.10	0.05	0.32	0.24	-0.57	-0.50	-0.23	0.11	0.73	-0.08	-0.32	-0.13	0.10	0.17																
34.5 GHz																174	306	443	544	651	783	922	1063	1207	1281	1399	1536	1674	1811																
																-1	6	19	-5	-23	-15	-1	15	35	-16	-23	-10	3	16																
																-0.04	0.25	0.75	-0.20	-0.91	-0.61	-0.04	0.62	1.39	-0.64	-0.90	-0.41	0.13	0.62																
40 GHz																204	339	481	567	678	802	941	1080	1220	1310	1432	1569	1707	1841																
																2	13	30	-9	-23	-23	-9	5	21	-14	-17	-4	9	18																
																0.09	0.50	1.20	-0.35	-0.90	-0.93	-0.36	0.22	0.83	-0.56	-0.67	-0.17	0.36	0.74																
Flatness +/- dB																1.30	1.50	1.60	0.70	0.80	0.60	0.70	0.70	0.60	1.20	1.40	1.40	1.30	1.20																
Max Video Output Volts																0.20	0.34	0.48	0.57	0.68	0.80	0.94	1.08	1.23	1.34	1.47	1.61	1.74	1.88																
Min Video Output Volts																0.14	0.26	0.40	0.53	0.64	0.77	0.91	1.04	1.19	1.28	1.40	1.54	1.67	1.81																
Nominal Log Slope mV/dB																25.7																													
Log Slope Variation: ± mV/dB																0.77																													
Video Output @ -63dBm																																													
Min(V)=																137.0																65													
Max(V)=																204.0																280													
Video Output @ +2dBm																																													
Min(V)=																1911.0																1476													
Max(V)=																1875.0																1940													

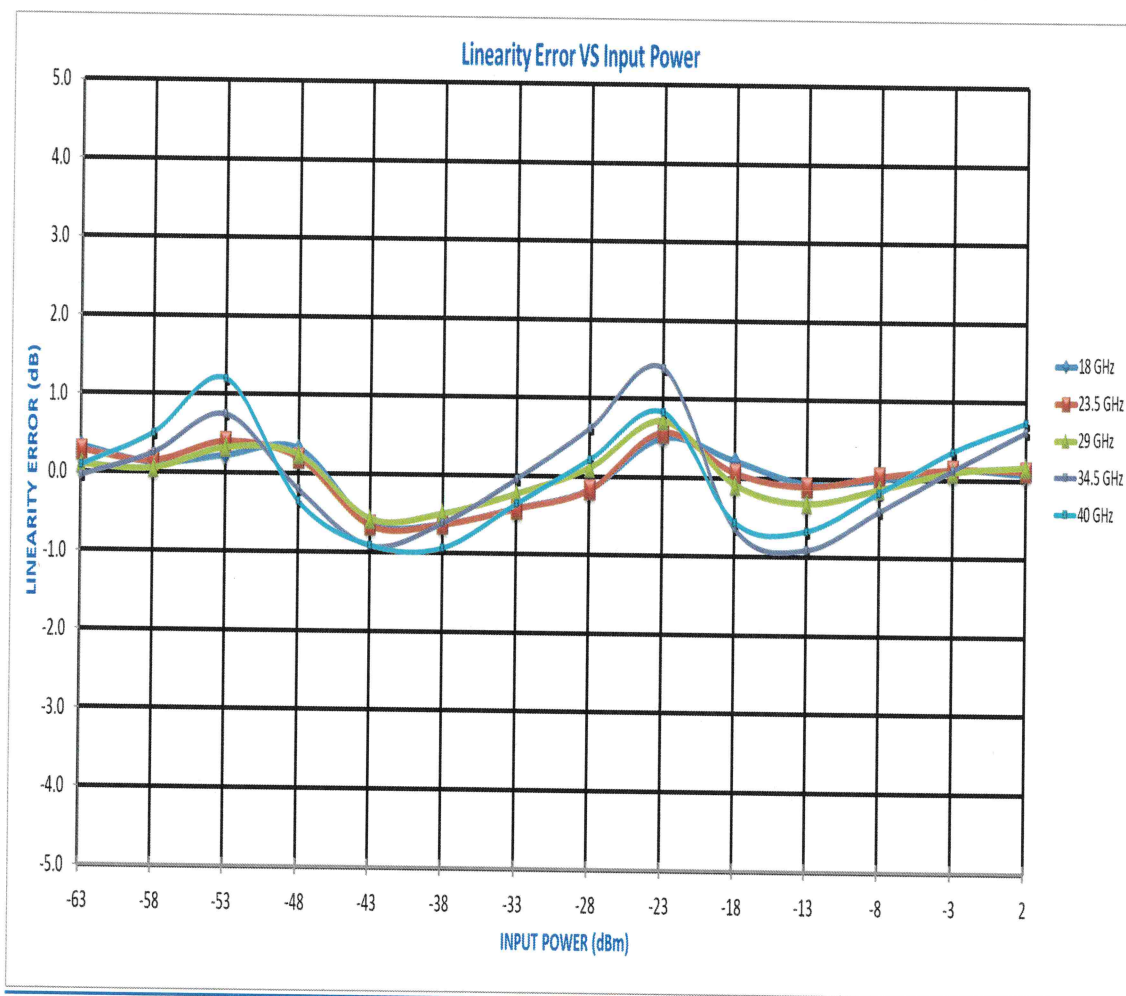


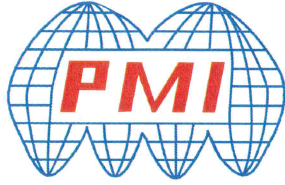
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number: PL49578

Graph #1 (cont.)

Log Transfer vs Frequency @+25C





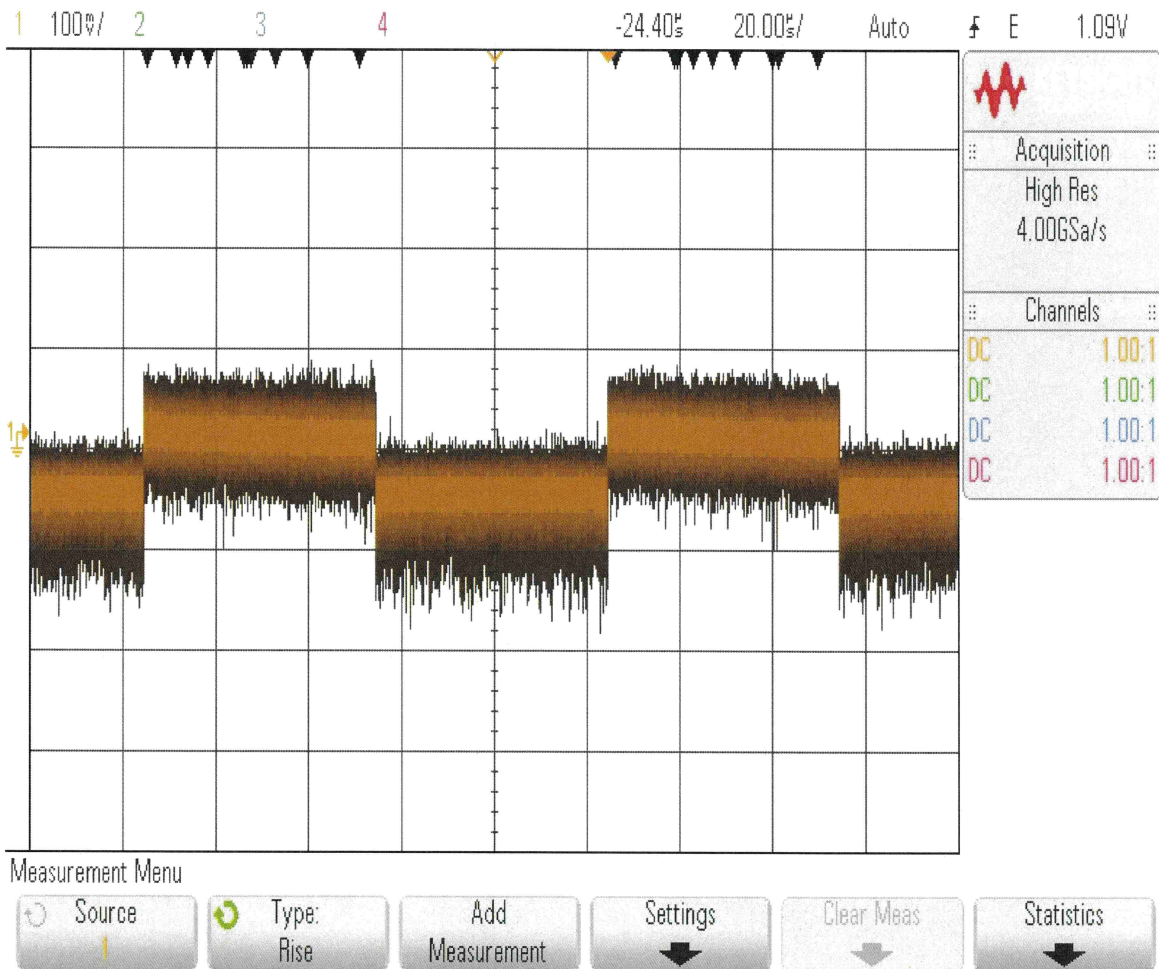
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPTHS**

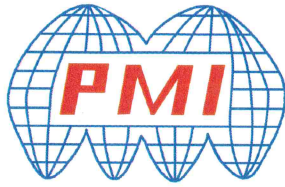
Model: SDLVA-18G40G-65-CD-292FF-OPTHS Serial Number:PL49578

Graph #2

TSS-66dBm @+25C

MSO-X 3054A, MY53400180: Mon Jan 20 10:21:28 2025





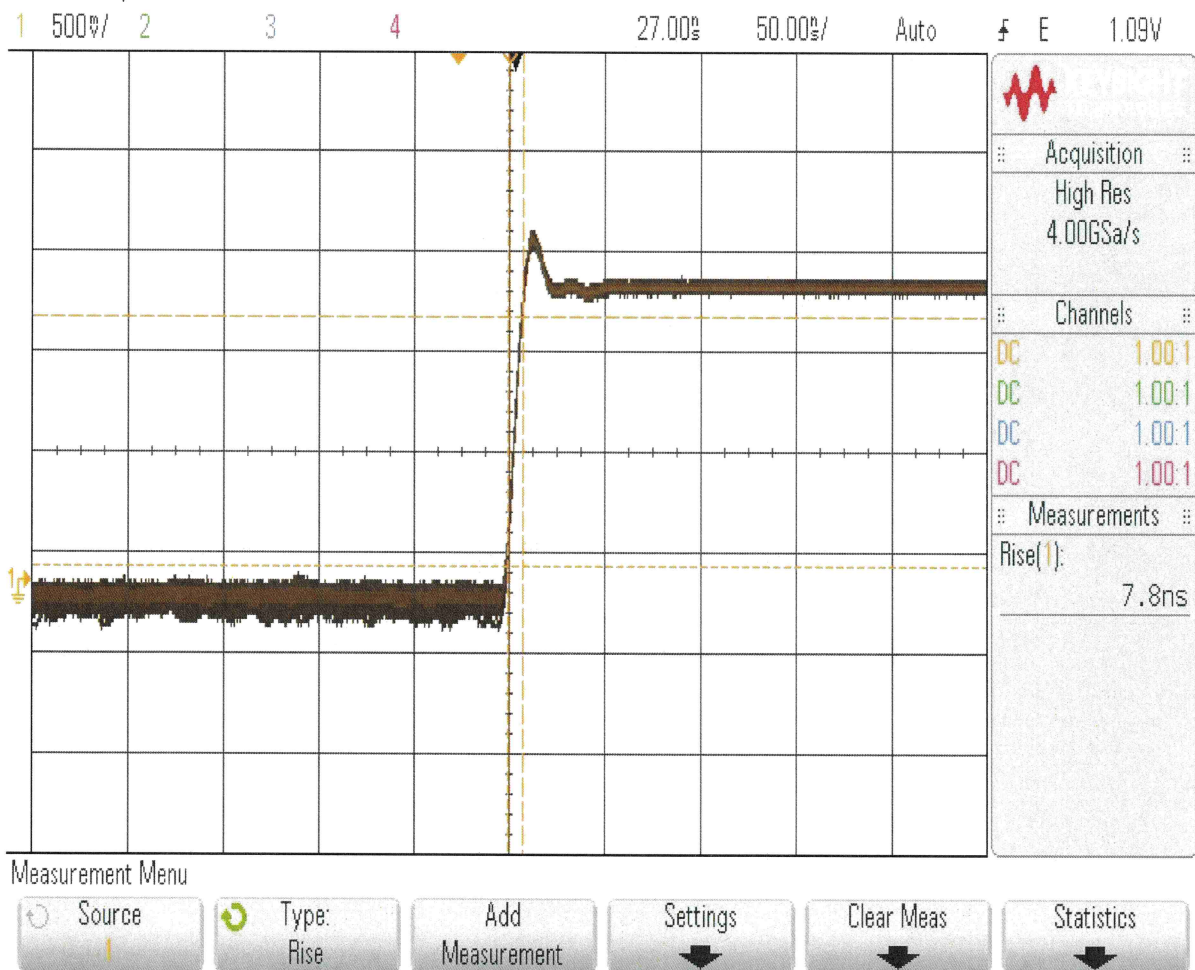
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPTHS**

Model: SDLVA-18G40G-65-CD-292FF-OPTHS Serial Number:PL49578

Graph#3

Rise Time 7.8ns @+25C & +2dBm

MSO-X 3054A, MY53400180: Mon Jan 20 10:18:52 2025





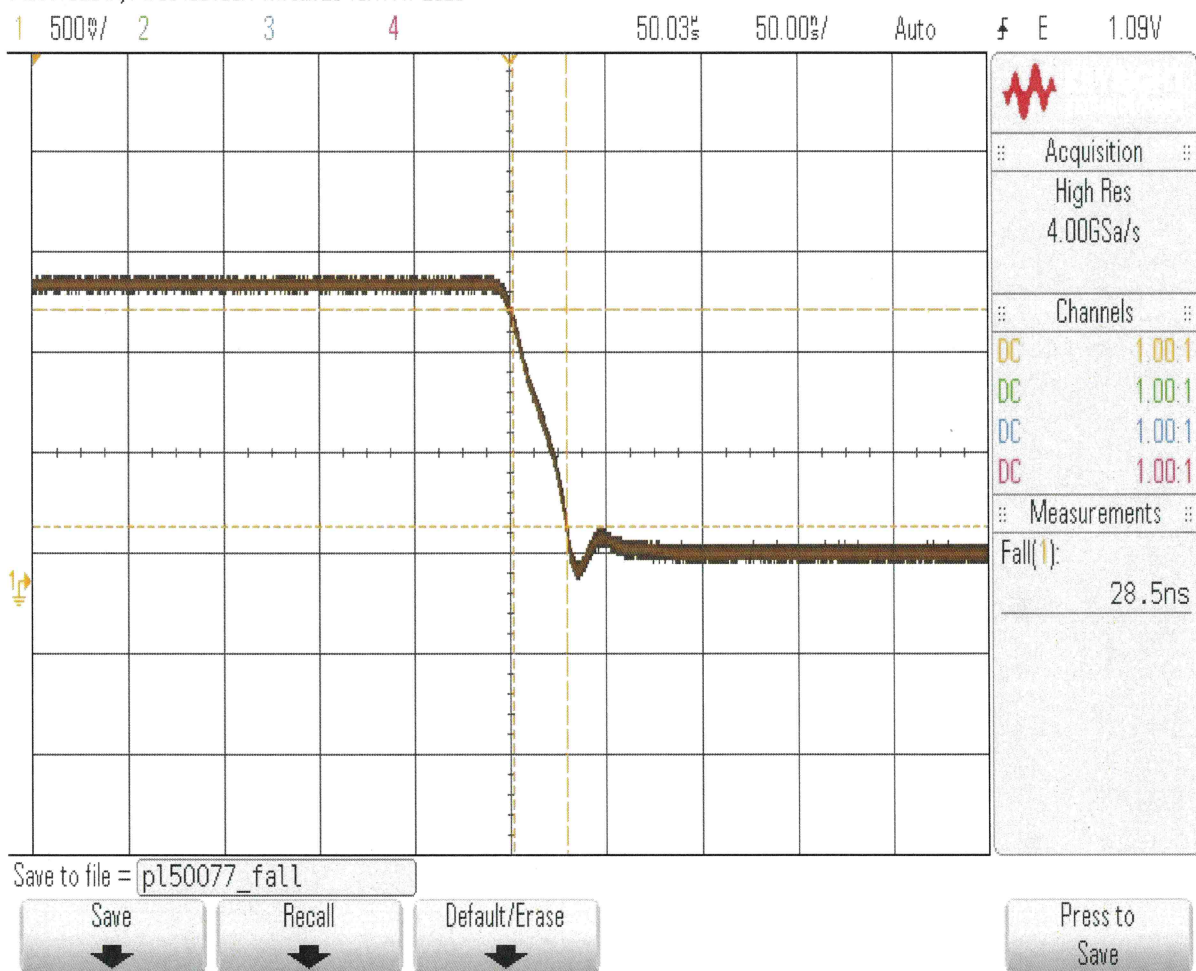
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS **Serial Number:PL49578**

Graph#4

Fall Time 28.5ns @+25C & +2dBm

MSO-X 3054A, MY53400180: Mon Jan 20 10:17:47 2025





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Graph #5

VSWR 1.98:1 @+25C & -20dBm

