



**SUMMARY TEST DATA
ON
SDLVA-50M18G-70**

PL26263/1934

Customer: _____ Tested By: J. Emperador
 SO No: _____ Temperature: +25°C
 Model No: SDLVA-50M18G-70 Date: 08/20/19
 Serial No: PL26263/1934 Drawing No: 27629813 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0.05 GHz to 18.0 GHz	0.05 GHz to 18.0 GHz See Plot	PMI QA1
2	Frequency Flatness	±2.0 dB Max	±1.5 dB	
3	TSS	-70 dBm Typ	-68.5 dBm	
4	VSWR	2.0:1 Max	1.93:1	
5	Video Comparator Output	5 V into 1 MΩ, 2.5 V into 50 Ω Typ	Pass	
6	Video Comparator Threshold Level	-60 dBm to 0 dBm (Operating Range) Threshold = V1±5% & ±25 mV (Hysteresis)	-60 dBm to 0 dBm V	
7	Log Range	-70 dBm to 0 dBm	-65 dBm to 0 dBm	
8	Log Slope	25 mV/dB ±5% @ 50 Ω Load	25.52 mV/dB	
9	Log Linearity	±1.75 dB Max (-60 dBm to 0 dBm)	1.20 dB	
10	Pulse Range	100 ns to DC	Pass	
11	Rise Time	50 ns Max	42.2 ns	
12	Recovery Time	400 ns Max	263 ns	
13	DC Supply	+12 to +15 VDC @ 400mA -12 to -15 VDC @ 200 mA	108 mA 67 mA	PMI QA1

QA/QC Approval:  PMI QA1 Date: 8/23/19

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@pmi-rf.com



SUMMARY TEST DATA ON SDLVA-50M18G-70

PL26263/1934

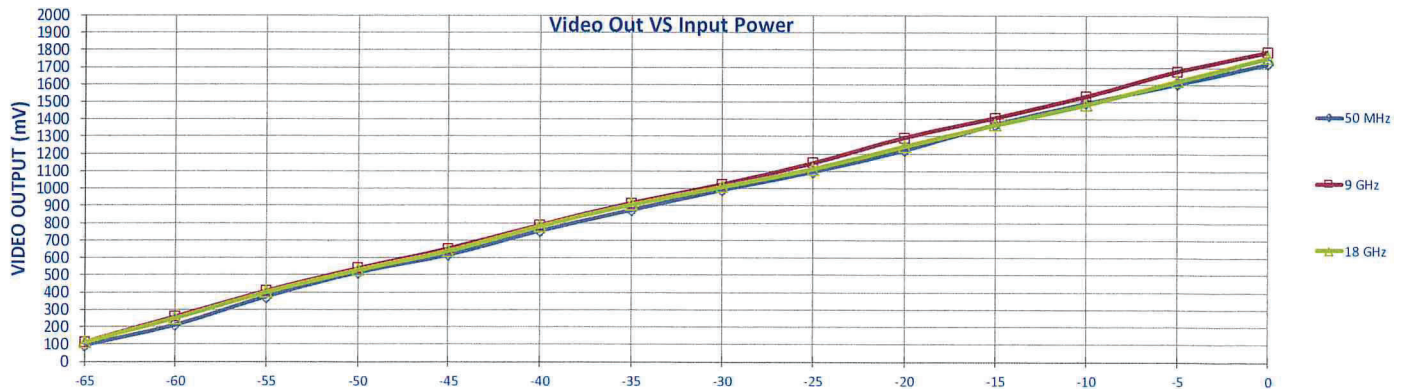
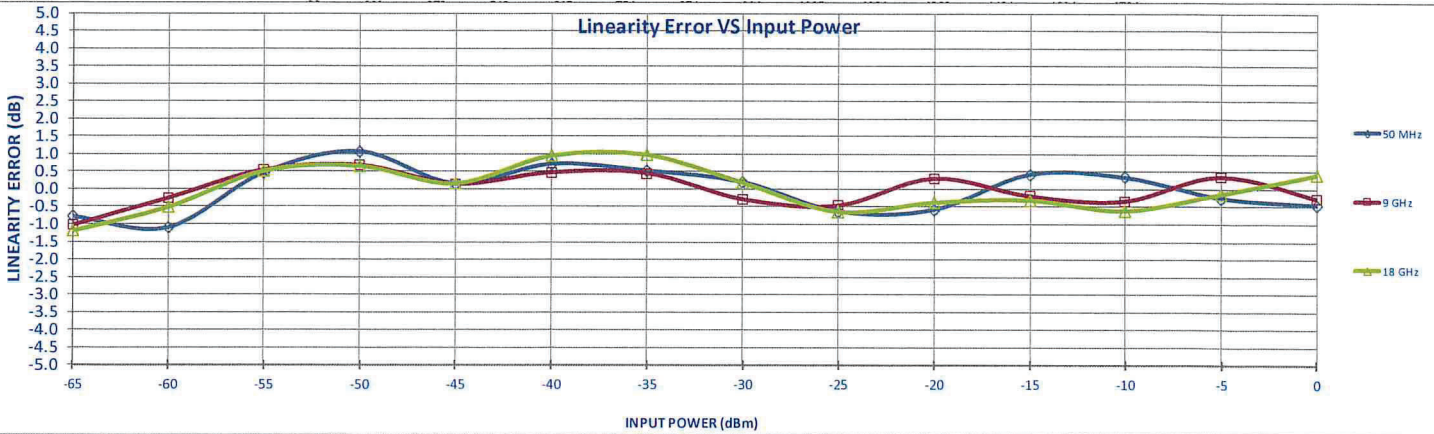
LOG TRANSFER WITH FREQUENCY @ +25°C
 MODEL: SDLVA-50M18G-70
 TESTED BY: J.Emperador
 TEST DATE: 08/16/19
 SERIAL NO: PL26263
 TEST TEMP: +25C

Vos= +30mV



PLANAR MONOLITHICS INDUSTRIES
 4921 ROBERT J. MATHEWS PARKWAY
 EL DORADO HILLS, CA 95762
 PH: 916-542-1401 FAX: 916-265-2597
 EMAIL: SALES@PMI-RF.COM

Frequency		RF Input Power (dBm)													
		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
50 MHz	INTERCEPT (mV)	92	209	373	513	615	754	874	991	1095	1221	1371	1494	1604	1724
	SLOPE (mV/dB)	-0.79	-1.11	0.46	1.06	0.15	0.71	0.52	0.20	-0.64	-0.59	0.41	0.34	-0.26	-0.46
		-20	-28	11	27	4	18	13	5	-16	-15	10	8	-6	-11
9 GHz	INTERCEPT (mV)	112	259	407	538	652	788	915	1024	1147	1294	1409	1533	1678	1790
	SLOPE (mV/dB)	-1.03	-0.27	0.53	0.66	0.13	0.46	0.44	-0.29	-0.47	0.29	-0.20	-0.34	0.34	-0.27
		-26	-7	14	17	3	12	11	-7	-12	7	-5	-9	9	-7
18 GHz	INTERCEPT (mV)	112	252	401	528	639	782	906	1010	1113	1243	1368	1484	1619	1756
	SLOPE (mV/dB)	-1.20	-0.53	0.51	0.65	0.15	0.95	0.97	0.18	-0.64	-0.38	-0.31	-0.61	-0.14	0.41
		-30	-13	13	16	4	23	24	5	-16	-9	-8	-15	-4	10
Flatness dB		0.4	1	0.7	0.5	0.7	0.7	0.8	0.6	1	1.4	0.8	1	1.5	1.3



7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@pmi-rf.com



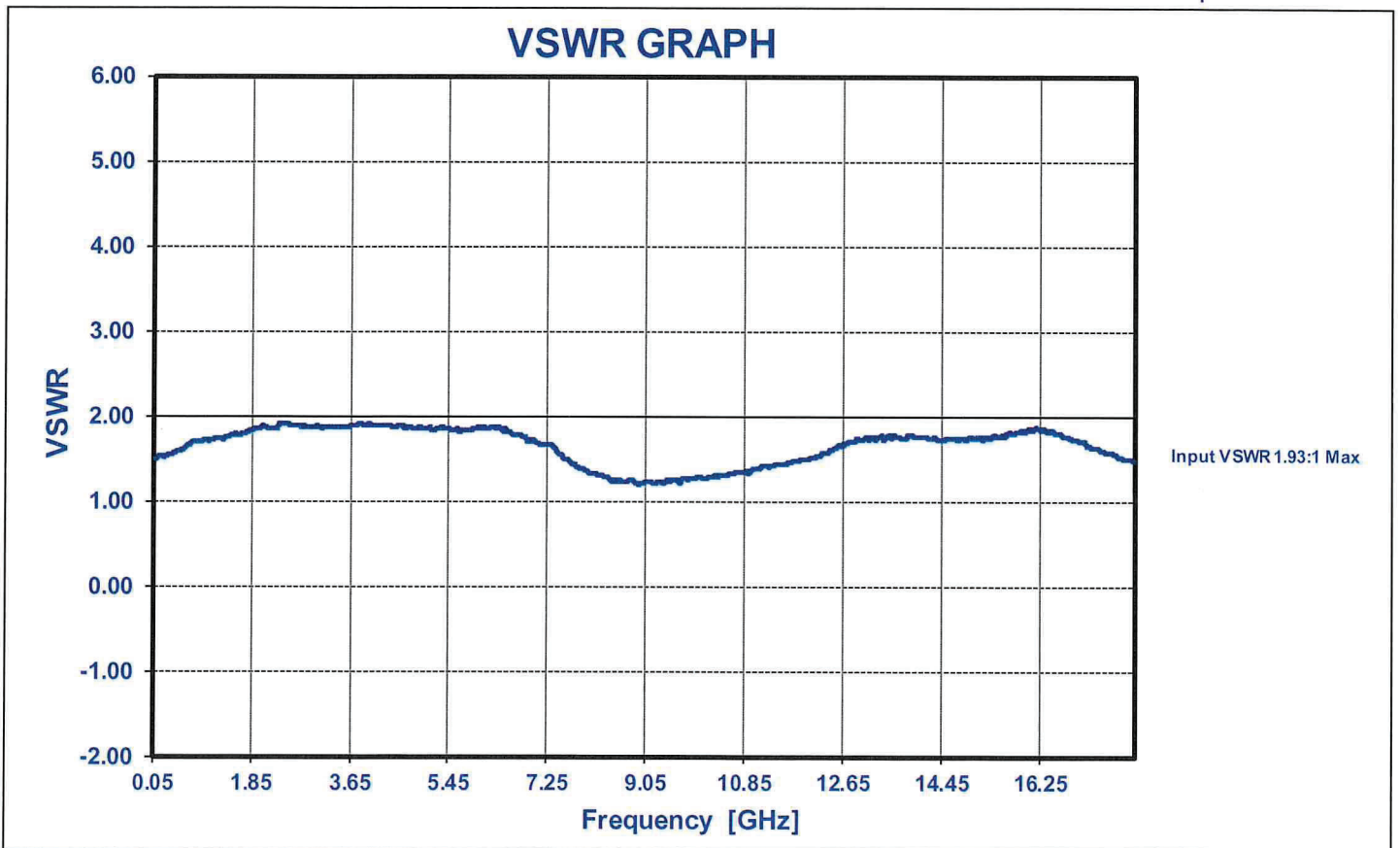
**SUMMARY TEST DATA
ON
SDLVA-50M18G-70**

PL26263/1934

INPUT VSWR

Model Number: SDLVA-50M18G-70
Serial Number: PL26263
Date: 8/20/2019

Temperature: +25C

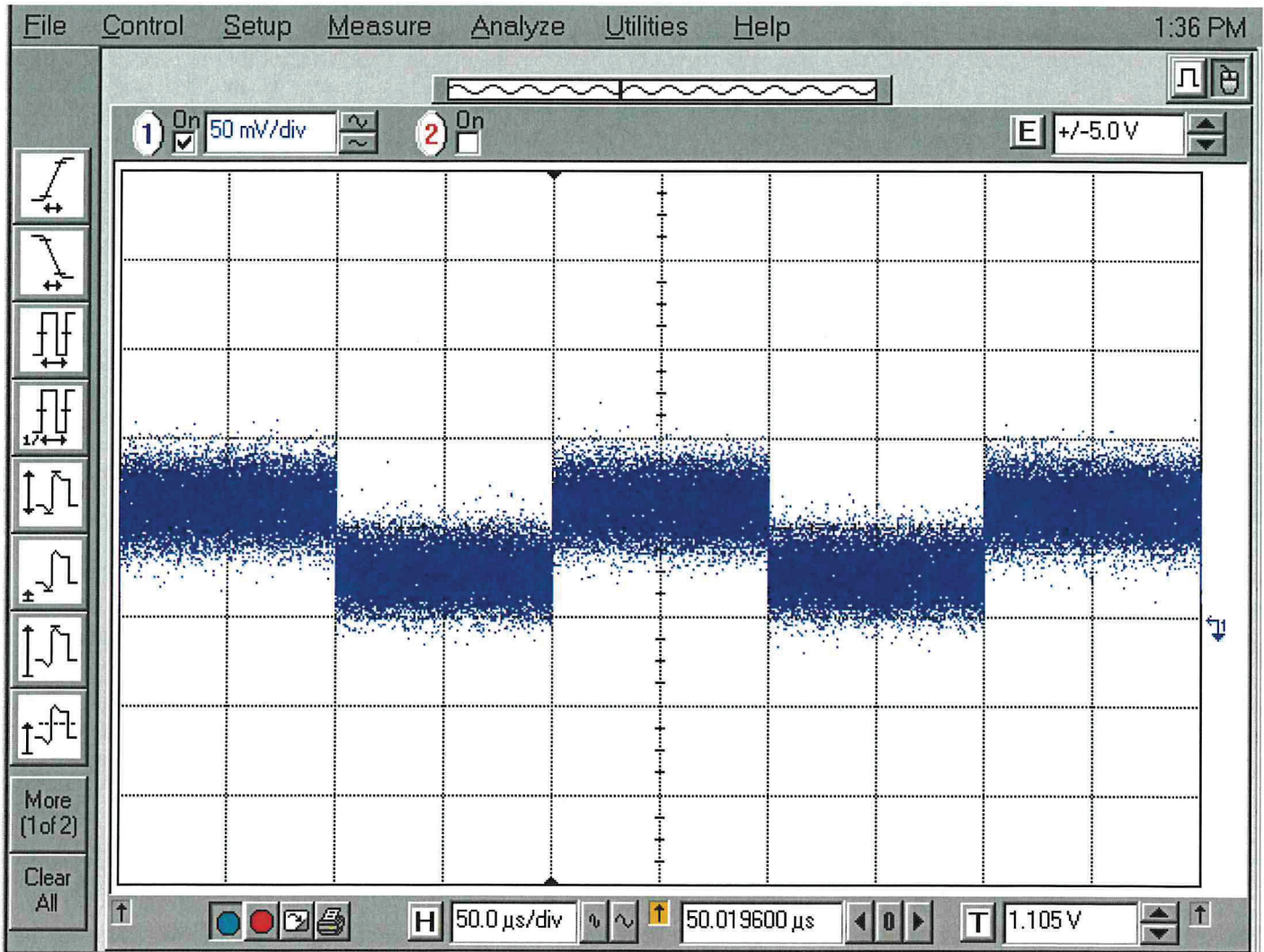




**SUMMARY TEST DATA
ON
SDLVA-50M18G-70**

PL26263/1934

TSS @ -68.5 dBm

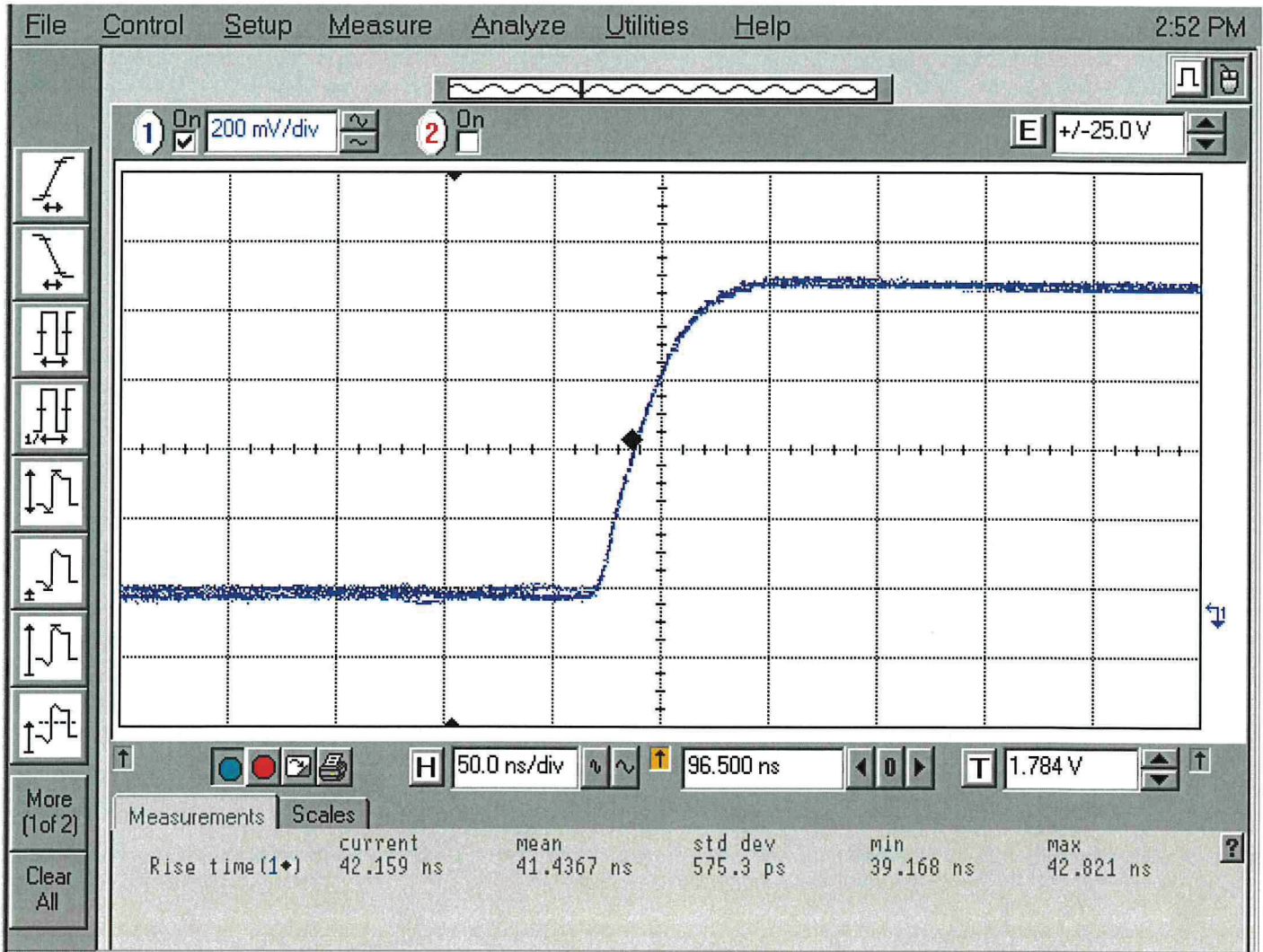




**SUMMARY TEST DATA
ON
SDLVA-50M18G-70**

PL26263/1934

RISE TIME





**SUMMARY TEST DATA
ON
SDLVA-50M18G-70**

PL26263/1934

RECOVERY TIME

