

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

CUSTOMER: \_\_\_\_\_  
SO: \_\_\_\_\_  
MODEL NO: \_\_\_\_\_  
SERIAL NO: \_\_\_\_\_

TESTED BY: Daniel W. \_\_\_\_\_  
TEMPERATURE: +25°C \_\_\_\_\_  
DATE: 1/29/2026 \_\_\_\_\_  
DRAWING NO: 27629813 \_\_\_\_\_ REV: B1 \_\_\_\_\_

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range	0.05 GHz to 18.0 GHz	0.05 GHz to 18.0 GHz See Plot	PMI QA3 
2	Frequency Flatness	±2.0 dB Max	±1.7 dB	
3	TSS	-70 dBm Typ	-70 dBm	
4	VSWR	2.0:1 Max	1.84:1	
5	Video Comparator Output	5 V into 1 MΩ, 2.5 V into 50 Ω Typ	2.3V into 50Ω	
6	Video Comparator Threshold Level	-60 dBm to 0 dBm (Operating Range) Threshold = V1±5% & ±25 mV (Hysteresis)	Pass	
7	Log Range	-70 dBm to 0 dBm	-70 dBm to 0 dBm	
8	Log Slope	25 mV/dB ±5% @ 50 Ω Load	25.61 mV/dB Avg.	
9	Log Linearity	±1.75 dB Max (-60 dBm to 0 dBm)	±1.01 dB	
10	Pulse Range	100 ns to DC	Pass	
11	Rise Time	50 ns Max	20.44 ns	
12	Recovery Time	600 ns Max	564 ns	
13	Fall Time	400 ns MAX	329.87 ns	
14	DC Supply	+12 to +15 VDC @ 400mA -12 to -15 VDC @ 200 mA	< 400 mA < 200 mA	

QA/QC Approval: *K. Klamm*

Date: 1-30-26

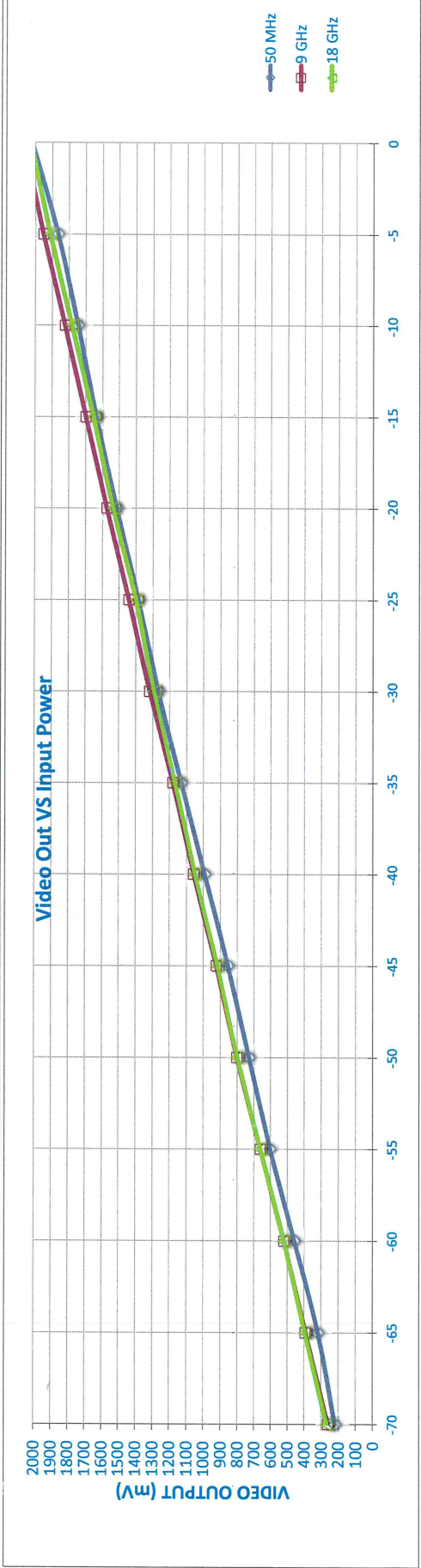
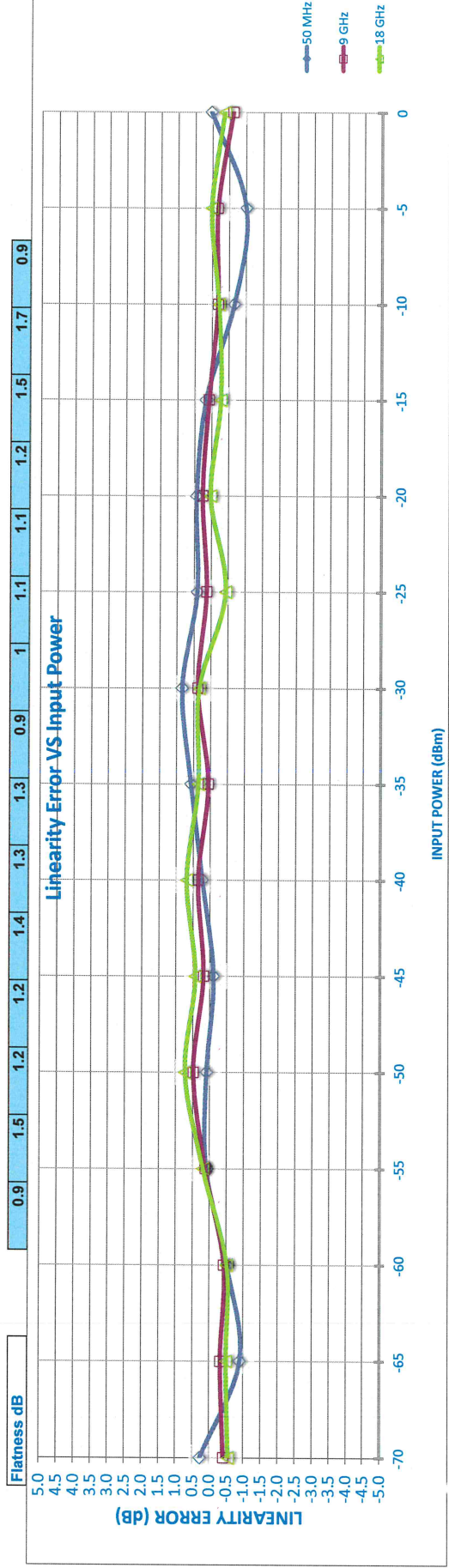


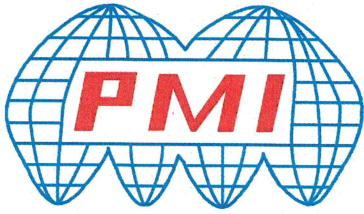
PLANAR MONOLITHICS INDUSTRIES  
 4921 ROBERT J. MATHEWS PARKWAY  
 ELDORADO HILLS, CA 95762  
 PH: 916-542-1401 FAX: 916-265-2597  
 EMAIL: SALES@PMI-RF.COM

LOG TRANSFER WITH FREQUENCY @ +25°C  
 MODEL: SDLVA-50M18G-70  
 TESTED BY: Daniel W.  
 TEST DATE: 1-29-26  
 SERIAL NO: PL557756/2605  
 TEST TEMP: +25C

Frequency

Frequency	INTERCEPT (mV)	2021.1	INTERCEPT (mV)	2086.7	2037.9	25.086	25.83	25.928	26.086	2071	1953	1913	2029	2071	1953	1913	2029
50 MHz	SLOPE (mV/dB)	25.83	2021.1	2086.7	2037.9	25.086	25.83	25.928	26.086	2071	1953	1913	2029	2071	1953	1913	2029
9 GHz	INTERCEPT (mV)	2086.7	2037.9	25.086	26.086	2071	1953	1913	2029	2071	1953	1913	2029	2071	1953	1913	2029
9 GHz	SLOPE (mV/dB)	25.928	26.086	2071	1953	1913	2029	2071	1953	1913	2029	2071	1953	1913	2029	2071	1953
18 GHz	INTERCEPT (mV)	2037.9	25.086	26.086	2071	1953	1913	2029	2071	1953	1913	2029	2071	1953	1913	2029	2071
18 GHz	SLOPE (mV/dB)	26.086	2071	1953	1913	2029	2071	1953	1913	2029	2071	1953	1913	2029	2071	1953	1913

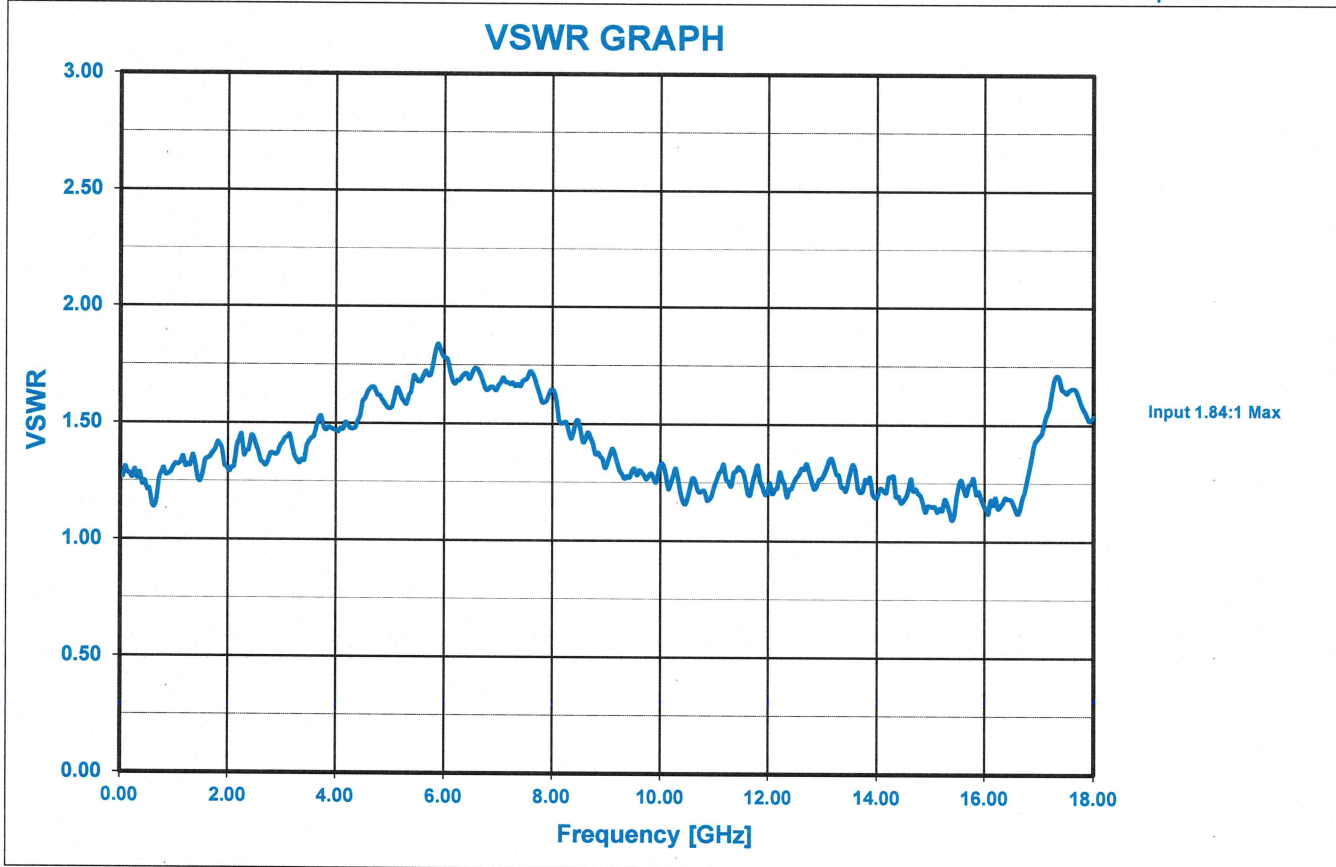


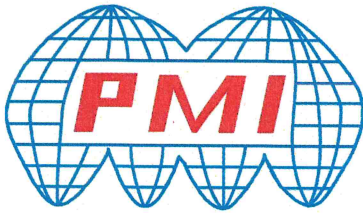


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ON  
SDLVA-50M18G-70**

Model Number: SDLVA-50M18G-70  
Serial Number: PL557756/2605

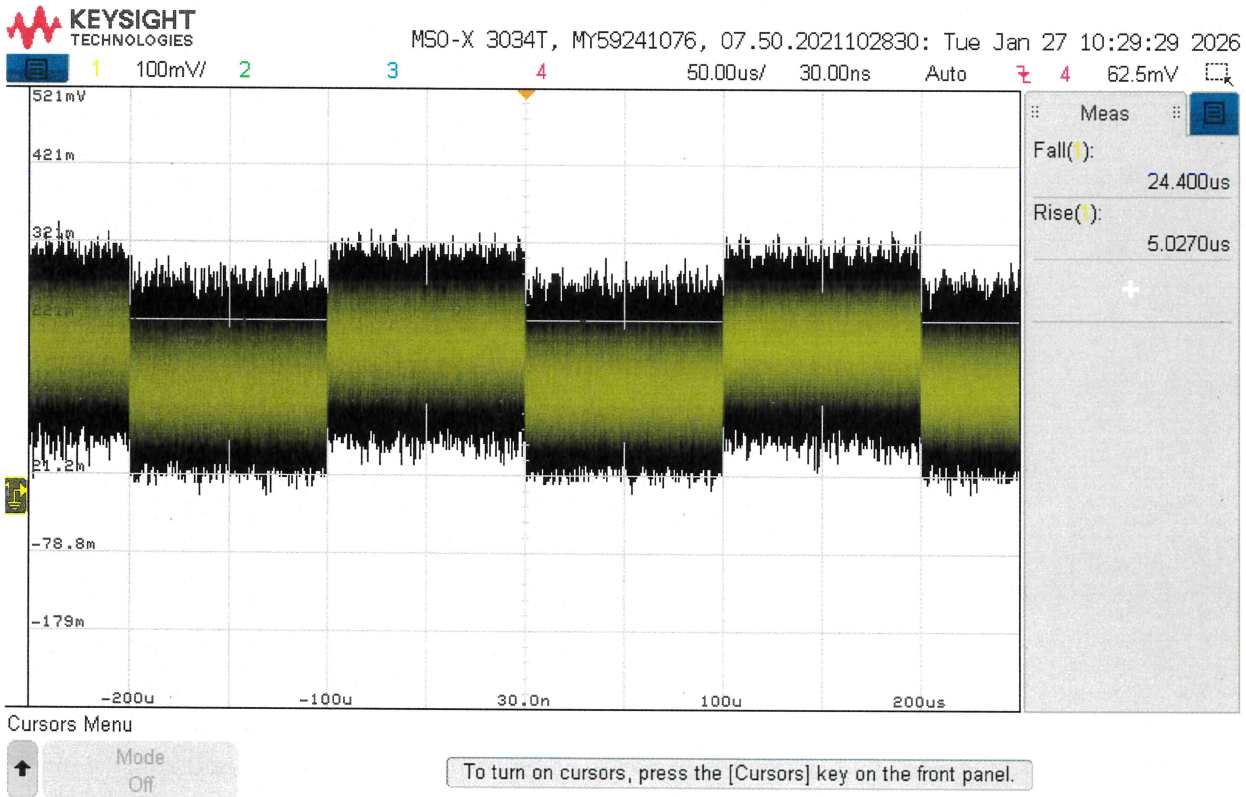
Temperature: +25C

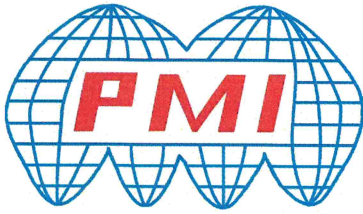




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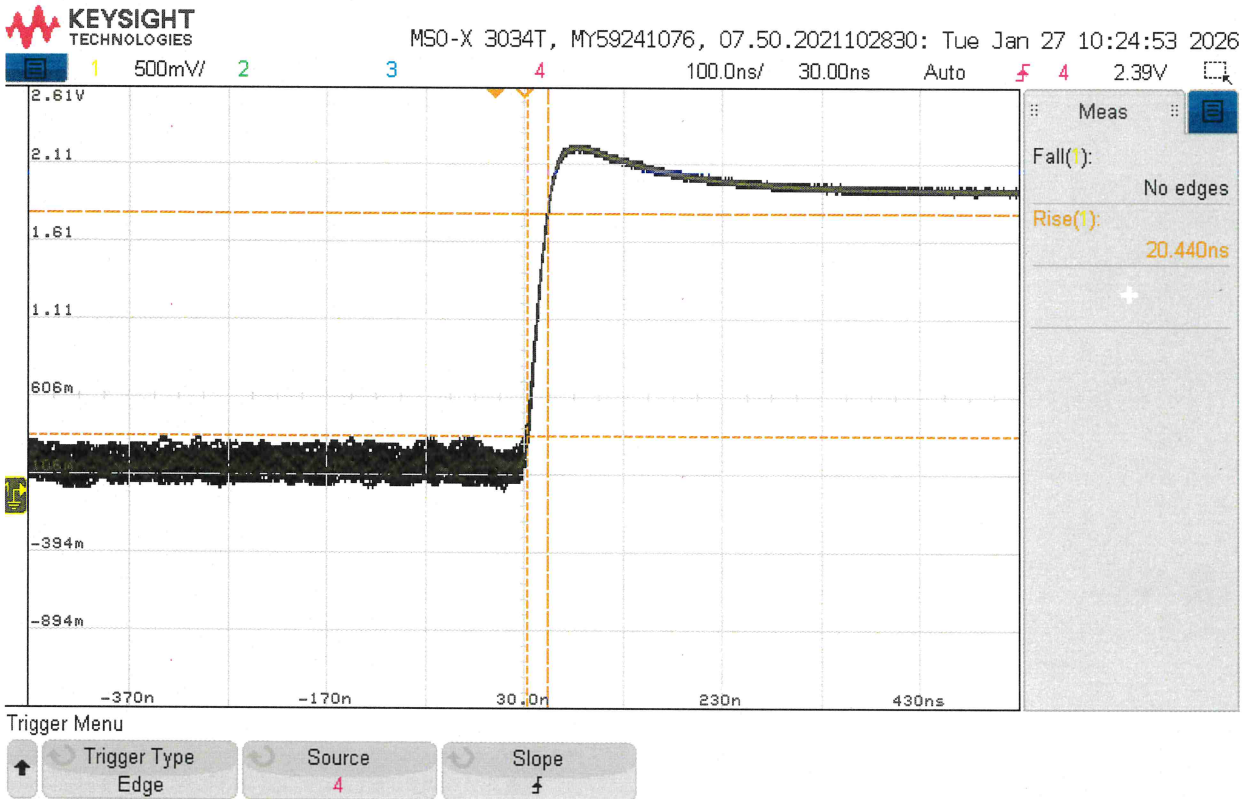
TSS = -70 dBm

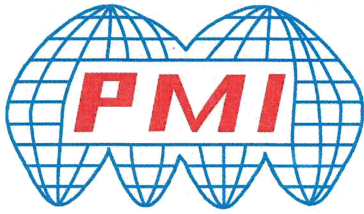




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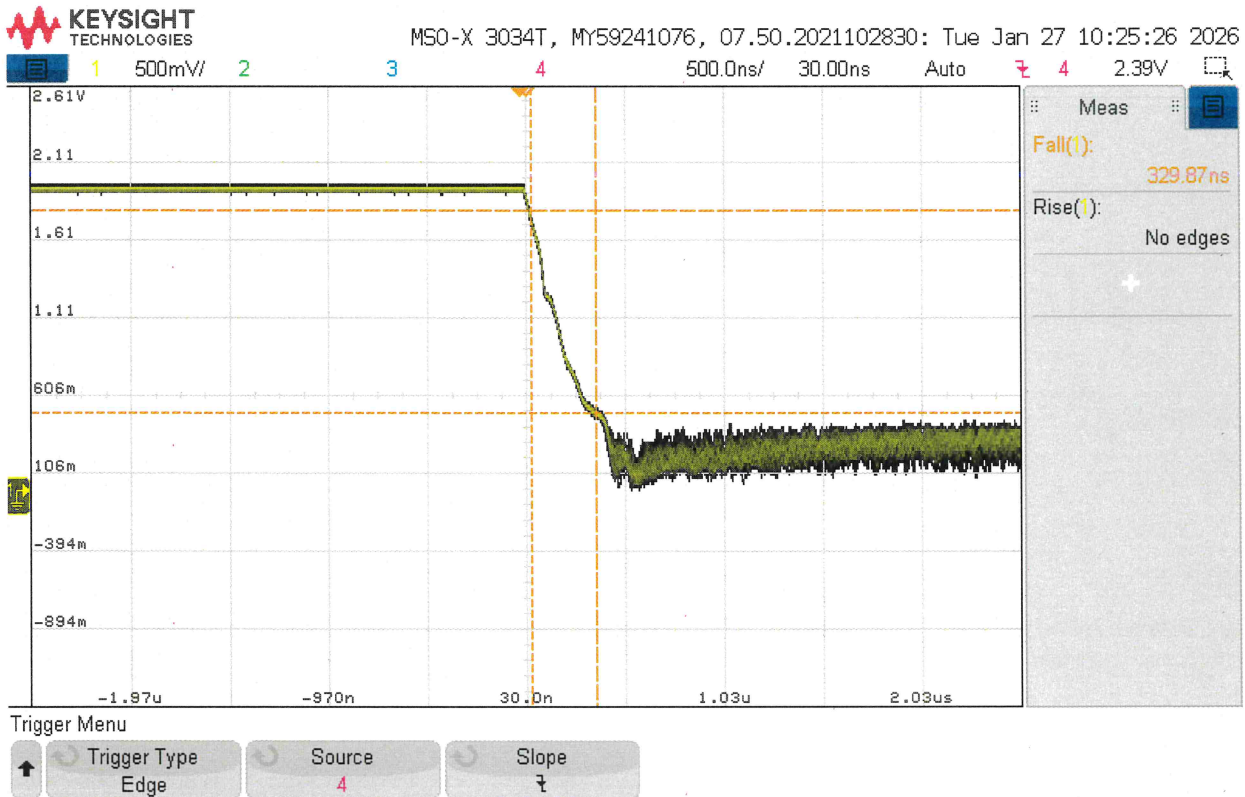
Rise Time = 20.44 ns





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Fall Time = 329.87 ns





# SUMMARY TEST DATA ON SDLVA-50M18G-70

Recovery Time = 564 ns

