



**SUMMARY TEST DATA
ON
PLVA-218-50-618**

PL43694/2405

Customer: _____	Tested By: <u>EA Valdez</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>PLVA-218-50-618</u>	Date: <u>01/31/24</u>
Serial No: <u>PL43694/2405</u>	Drawing No: <u>27618591</u> Rev: <u>B1</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	6 GHz – 18 GHz	6 GHz – 18 GHz	PMI QA3
2	Frequency Flatness:	± 1.0 dB Max.	0.9 dB	
3	Logging Range:	-40 to 0 dBm Min.	-40 to 0 dBm	
4	Useful Range:	-40 to + 5 dBm	-40 to + 5 dBm	
5	Log Linearity Error:	± 1.0 dB Max (Room Temp)	0.67 dB	
6	Log Slope: (Log Slope Accuracy)	50mV/dB (±4% of Average Slope)	Pass (See Plot)	
7	Temperature Stability:	± 1.0 dB Max (-54°C to 85°C)	Pass	
8	Rise Time:	20 ns Max.	8.2 nS	
9	Settling:	45 ns Max.	36 nS	
10	Recovery Time:	150 ns Typ. 300 ns Max.	<300 nS	
11	TSS:	-40 dBm Min.	-43 dBm	
12	VSWR:	3.0:1 Max	2.39:1 (See Plot)	
13	Max RF Input:	+ 15 dBm	+15 dBm	
14	Video Output Level:	0 – 2.5 Volts (50Ω Minimum Load)	0.2-2.2 V	
15	DC Supply:	+15V @ 75 mA Max -15V @ 75 mA Max	50 mA 40 mA	

* Please Refer To Excel Test Data Template 2 (ATTACHED)

QA/QC Approval: K. [Signature]

Date: 1-31-24

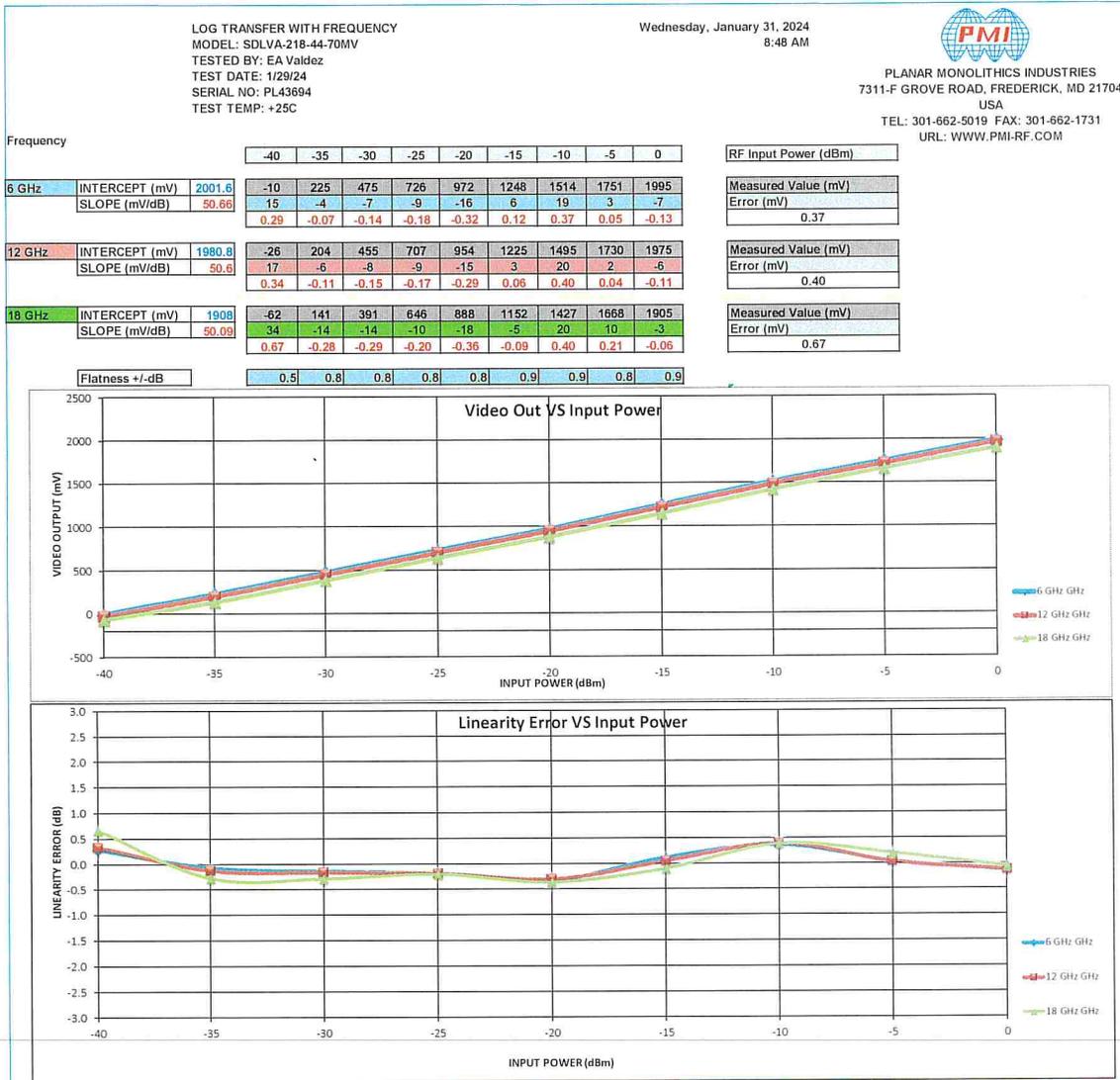
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Log Transfer vs. Frequency





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Return Loss @ -20 dBm

