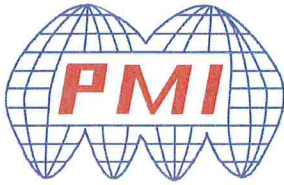


**SUMMARY TEST DATA  
ON  
ERDLVA-218-DC-LPD**

Customer: \_\_\_\_\_ Tested By: Jim Hopson  
 SO No: \_\_\_\_\_ Temperature: +25°C  
 Model No: ERDLVA-218-DC-LPD Date: 05/28/21  
 Serial No: PL32489/2121 Drawing No: 27622822 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC PMI QA3
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	Flatness:	± 1.5 dB Max.	±1.4 dB See Plots	
3	Log Linearity	± 0.5 dB TYP. ±1.0 dB MAX	± .57/- .57 dB See Plots	
4	Logging Range:	-60 to +4 dBm	-60 to +4 dBm	
5	Log Slope	+85mV/dB	85.0 mV/dB & See Plot	
6	INPUT VSWR:	3.0:1 Max.	1.9:1	
7	TSS:	-64 dBm MAX.	-64 dBm	
8	Pulse Width Range:	50 nsec to CW.	50 nsec to CW.	
9	Video Rise Time:	20 nsec Max.	20 nsec	
10	Video Load Impedance:	75 ohms	75 ohms	
11	Recovery Time:	500 nsec Max.	480 nsec	
12	Output Stability:	±1.0 dB	±.5 dB	
13	DC Supply Power:	+15VDC / 190 mA MAX -15VDC / 100 mA MAX	+ 15 Volts @190 mA - 15 Volts @80 mA	<b>PMI QA3</b>

QA/QC Approval: *A Zimmerman* Date: 5-28-21



# SUMMARY TEST DATA ON ERDLVA-218-DC-LPD

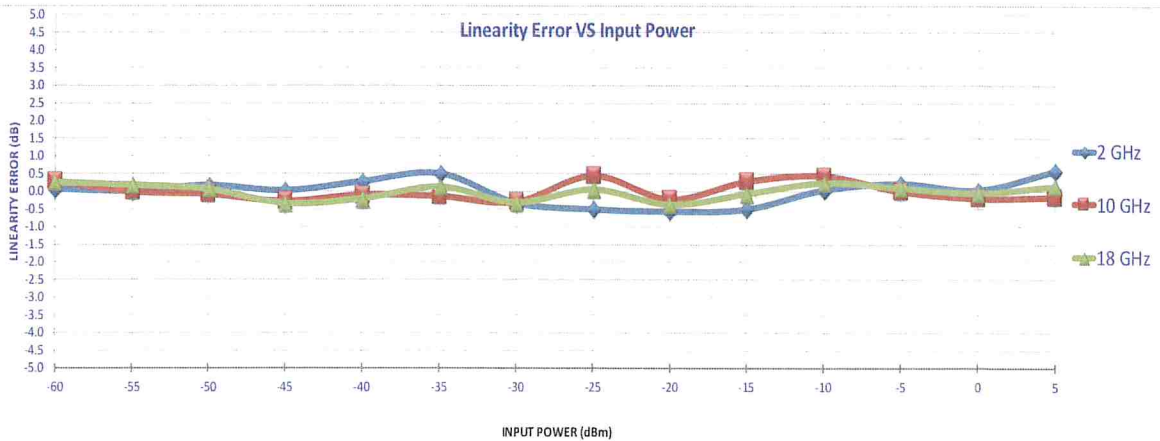
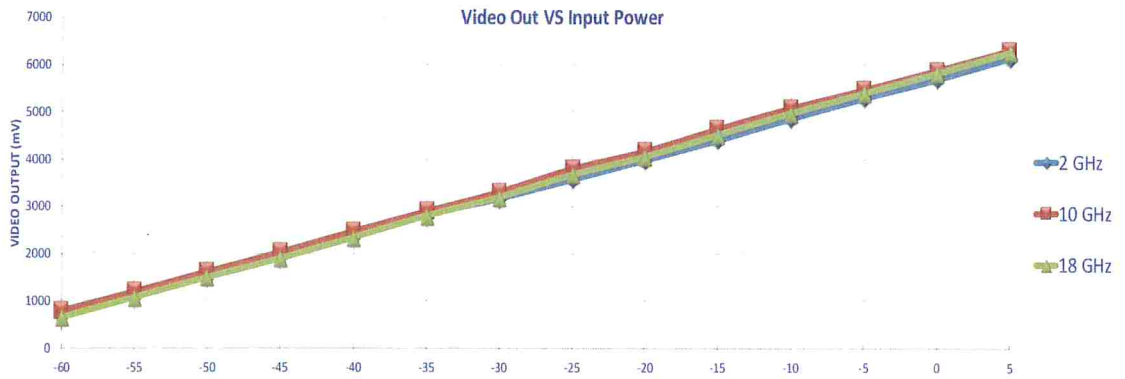
LOG TRANSFER WITH FREQUENCY  
 MODEL: ERDLVA-218-DC-LPD  
 TESTED BY: Jim Hopson  
 TEST DATE: 5-28-21  
 SERIAL NO: PL32489  
 TEST TEMP: +25C



PLANAR MONOLITHICS INDUSTRIES  
 4921 ROBERT J. MATHEWS PARKWAY  
 ELDORADO HILLS, CA 95762  
 PH: 916-542-1401 FAX: 916-265-2597  
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Frequency

		-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)															5887
	SLOPE (mV/dB)															83.0
		712	1123	1551	1954	2390	2824	3170	3570	3980	4400	4860	5290	5690	6150	Measured Value (mV)
		5	1	14	2	23	42	-27	-42	-47	-42	3	18	3	48	Error (mV)
		0.06	0.01	0.17	0.02	0.28	0.51	-0.33	-0.51	-0.57	-0.51	0.03	0.21	0.03	0.57	LINEARITY ERROR (dB)
		X														
10 GHz	INTERCEPT (mV)															5897
	SLOPE (mV/dB)															85.4
		799	1200	1621	2031	2473	2897	3310	3800	4170	4640	5080	5470	5880	6310	Measured Value (mV)
		25	-1	-6	-23	-8	-11	-25	38	-19	24	37	0	-17	-14	Error (mV)
		0.30	-0.01	-0.08	-0.27	-0.10	-0.13	-0.29	0.44	-0.22	0.28	0.43	0.00	-0.20	-0.16	LINEARITY ERROR (dB)
		X														
18 GHz	INTERCEPT (mV)															5814
	SLOPE (mV/dB)															86.5
		645	1071	1493	1890	2334	2797	3190	3670	4050	4510	4970	5390	5810	6260	Measured Value (mV)
		23	17	6	-30	-19	12	-28	5	-33	-6	21	9	-4	13	Error (mV)
		0.27	0.19	0.07	-0.34	-0.21	0.14	-0.32	0.06	-0.39	-0.07	0.25	0.10	-0.05	0.15	LINEARITY ERROR (dB)
Flatness +/-dB		0.9	0.8	0.7	0.8	0.8	0.6	0.8	1.3	1.1	1.4	1.3	1.1	1.1	0.9	



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