



**SUMMARY TEST DATA
ON
DLVA-70M-80-15V**

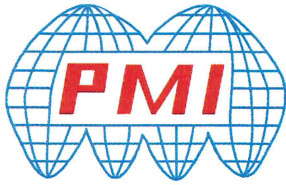
Customer: _____
SO No: _____
Model No DLVA-70M-80-15V
Serial NO: PL45091/2421

Tested by: Danny Weinrob
Temperature: +25°C UNLESS OTHERWISE SPECIFIED
Date: 5/24/2024
Drawing No: 27610948 Rev: A3

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC PMI QA3
1	INPUT VSWR (50 OHMS)	1.5:1 TYP.	1.52:1 MAX	
2	TYPICAL OUTPUT VOLTAGE @ -70 dBm to 0 dBm	0.2 TO 2 VOLTS	0.16 TO 1.39 VOLTS	
3	LOG SLOPE	25.0 mV/dB NOMINAL	25.5 mV/dB	
4	LOG LINEARITY -80 TO 0 dBm	±1.5 dB (MAX)	±1.19 dB MAX	
5	BANDWIDTH	50 TO 90 MHz	50 TO 90 MHz	
6	RISE TIME (10% TO 90%POINTS)	30 nS (MAX)	21 nS	
7	LIMITED RF OUTPUT	0 dBm NOMINAL	1.6 dBm	
8	DC POWER @ +12 V No RF Input	175 mA (MAX)	150 mA	
9	DC POWER @ -12 V	100 mA (MAX)	80 mA	

QA / QC APPROVAL: *H. [Signature]*

DATED: 5.31.24



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LOG TRANSFER WITH FREQUENCY
 MODEL: DLVA-70M-80-15V
 TESTED BY: D. Weinrob
 TEST DATE: 05/23/24
 SERIAL NO: PL45091
 TEST TEMP: +25C



PLANAR MONOLITHICS INDUSTRIES
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 URL: WWW.PMI-RF.COM
 EMAIL: SALES@PMI-RF.COM

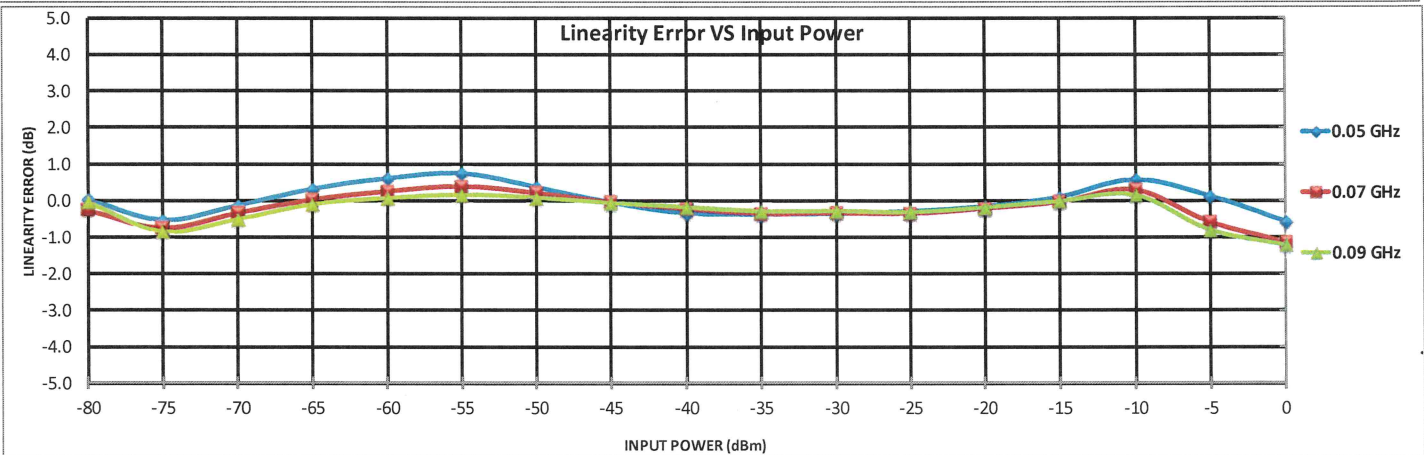
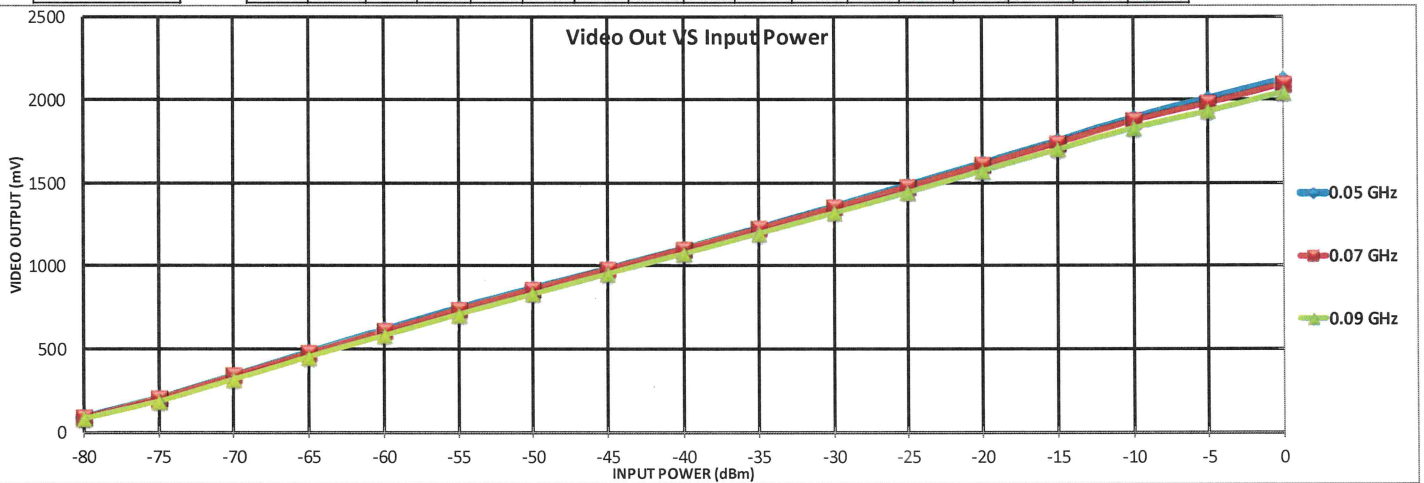
Frequency

		-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
0.05 GHz	INTERCEPT (mV)	89	202	340	479	614	745	863	980	1100	1227	1355	1484	1615	1749	1889	2005	2115	Measured Value (mV)
	SLOPE (mV/dB)	0	-14	-4	8	15	19	9	-1	-9	-10	-9	-8	-4	2	15	3	-15	Error (mV)
		0.02	-0.55	-0.14	0.30	0.60	0.73	0.36	-0.06	-0.36	-0.38	-0.36	-0.30	-0.17	0.08	0.57	0.12	-0.57	LINEARITY ERROR (dB)

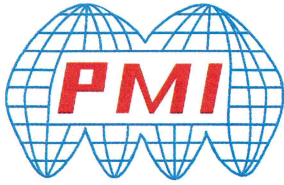
0.07 GHz	INTERCEPT (mV)	89	203	340	476	608	738	860	980	1102	1225	1352	1478	1608	1739	1874	1978	2091	Measured Value (mV)
	SLOPE (mV/dB)	-7	-19	-9	1	6	10	5	-1	-6	-9	-9	-9	-5	-1	8	-15	-28	Error (mV)
		-0.26	-0.76	-0.34	0.04	0.25	0.39	0.22	-0.04	-0.22	-0.36	-0.34	-0.36	-0.22	-0.04	0.30	-0.59	-1.12	LINEARITY ERROR (dB)

0.09 GHz	INTERCEPT (mV)	80	185	318	453	582	709	832	953	1075	1197	1322	1446	1574	1703	1832	1933	2048	Measured Value (mV)
	SLOPE (mV/dB)	-1	-21	-13	-2	2	4	2	-2	-4	-7	-7	-8	-5	0	4	-20	-30	Error (mV)
		-0.04	-0.84	-0.51	-0.10	0.07	0.16	0.09	-0.06	-0.18	-0.29	-0.28	-0.31	-0.18	-0.02	0.15	-0.80	-1.19	LINEARITY ERROR (dB)

Flatness +/-dB	0.2	0.4	0.4	0.5	0.6	0.7	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.1	1.4	1.3
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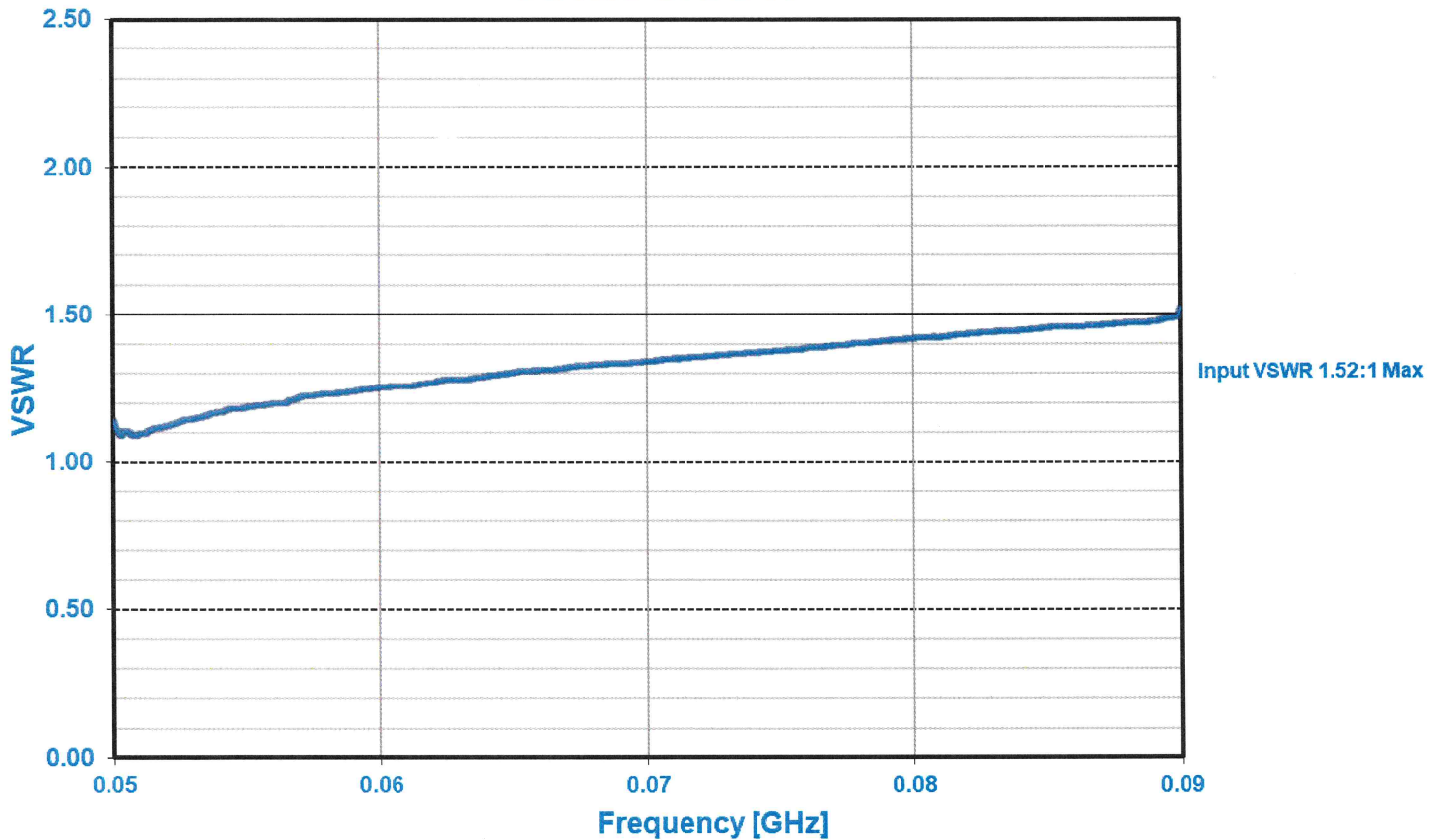


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VSWR GRAPH





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