



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

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No DLVA-70M-80-15V  
Serial NO: PL45093/2421

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
1	INPUT VSWR (50 OHMS)	1.5:1 TYP.	1.47:1 MAX	PMI QA3
2	TYPICAL OUTPUT VOLTAGE @ -70 dBm to 0 dBm	0.2 TO 2 VOLTS	0.35 TO 2.12 VOLTS	
3	LOG SLOPE	25.0 mV/dB NOMINAL	25.1 mV/dB	
4	LOG LINEARITY -80 TO 0 dBm	±1.5 dB (MAX)	±1.23 dB MAX	
5	BANDWIDTH	50 TO 90 MHz	50 TO 90 MHz	
6	RISE TIME (10% TO 90%POINTS)	30 nS (MAX)	23 nS	
7	LIMITED RF OUTPUT	0 dBm NOMINAL	1.8 dBm	
8	DC POWER @ +12 V No RF Input	175 mA (MAX)	150 mA	
9	DC POWER @ -12 V	100 mA (MAX)	90 mA	

QA / QC APPROVAL: K. [Signature]

DATED: 5-31-24



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

LOG TRANSFER WITH FREQUENCY  
 MODEL: DLVA-70M-80-12V  
 TESTED BY: D. Weinrob  
 TEST DATE: 05/24/24  
 SERIAL NO: PL45093  
 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)
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0.05 GHz	INTERCEPT (mV)	2148
	SLOPE (mV/dB)	25

172	274	406	539	670	795	906	1020	1138	1264	1390	1518	1649	1782	1924	2051	2175
21	-2	6	14	20	20	6	-4	-11	-10	-9	-6	1	9	26	28	27
0.85	-0.06	0.23	0.56	0.81	0.81	0.26	-0.17	-0.44	-0.40	-0.35	-0.22	0.03	0.36	1.05	1.13	1.10

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)

0.07 GHz	INTERCEPT (mV)	2152
	SLOPE (mV/dB)	25.1

157	249	384	523	657	786	905	1023	1143	1266	1391	1516	1645	1775	1914	2031	2161
15	-19	-9	4	12	16	9	2	-4	-6	-7	-8	-4	0	14	5	9
0.59	-0.75	-0.37	0.16	0.50	0.63	0.37	0.07	-0.15	-0.26	-0.28	-0.30	-0.17	0.01	0.54	0.20	0.38

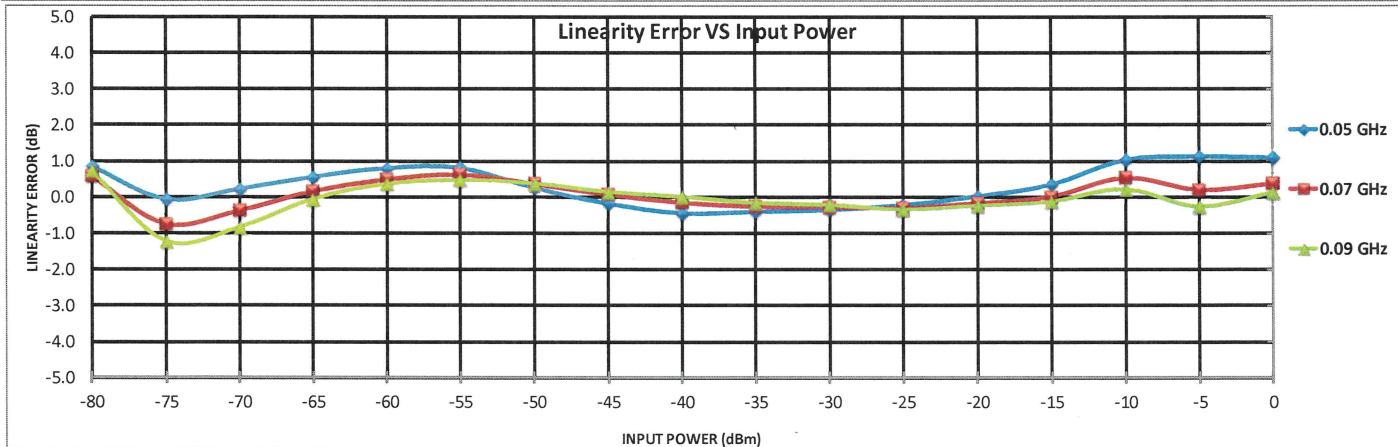
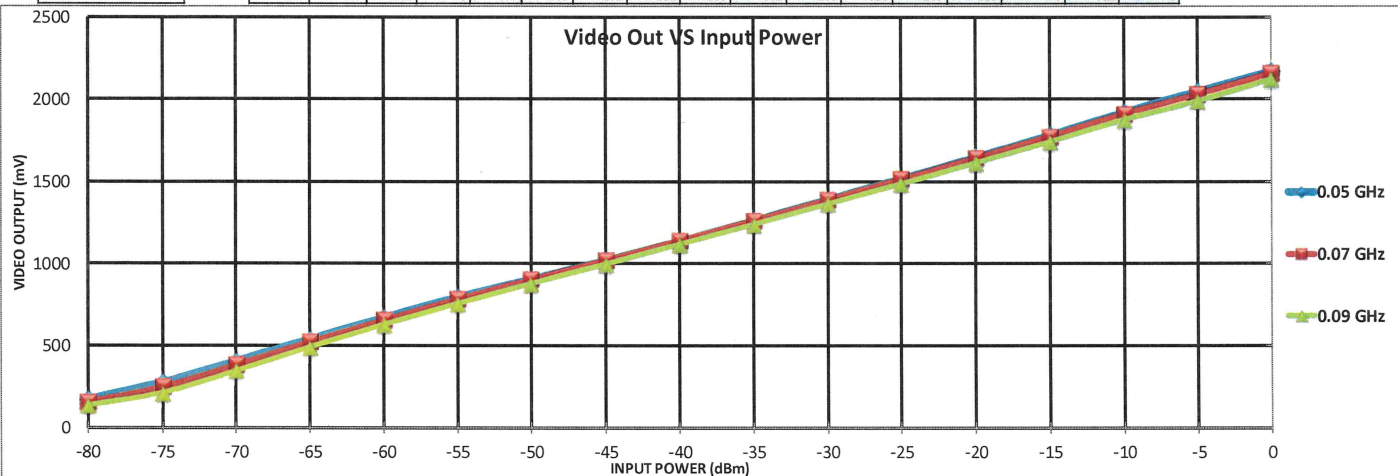
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)

0.09 GHz	INTERCEPT (mV)	2121
	SLOPE (mV/dB)	25.1

135	211	346	491	627	755	878	997	1119	1240	1364	1486	1614	1742	1876	1989	2124
19	-31	-21	-1	9	12	10	4	0	-4	-5	-8	-6	-3	6	-6	3
0.74	-1.23	-0.84	-0.05	0.38	0.49	0.40	0.15	0.02	-0.15	-0.21	-0.34	-0.23	-0.12	0.23	-0.26	0.13

Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)

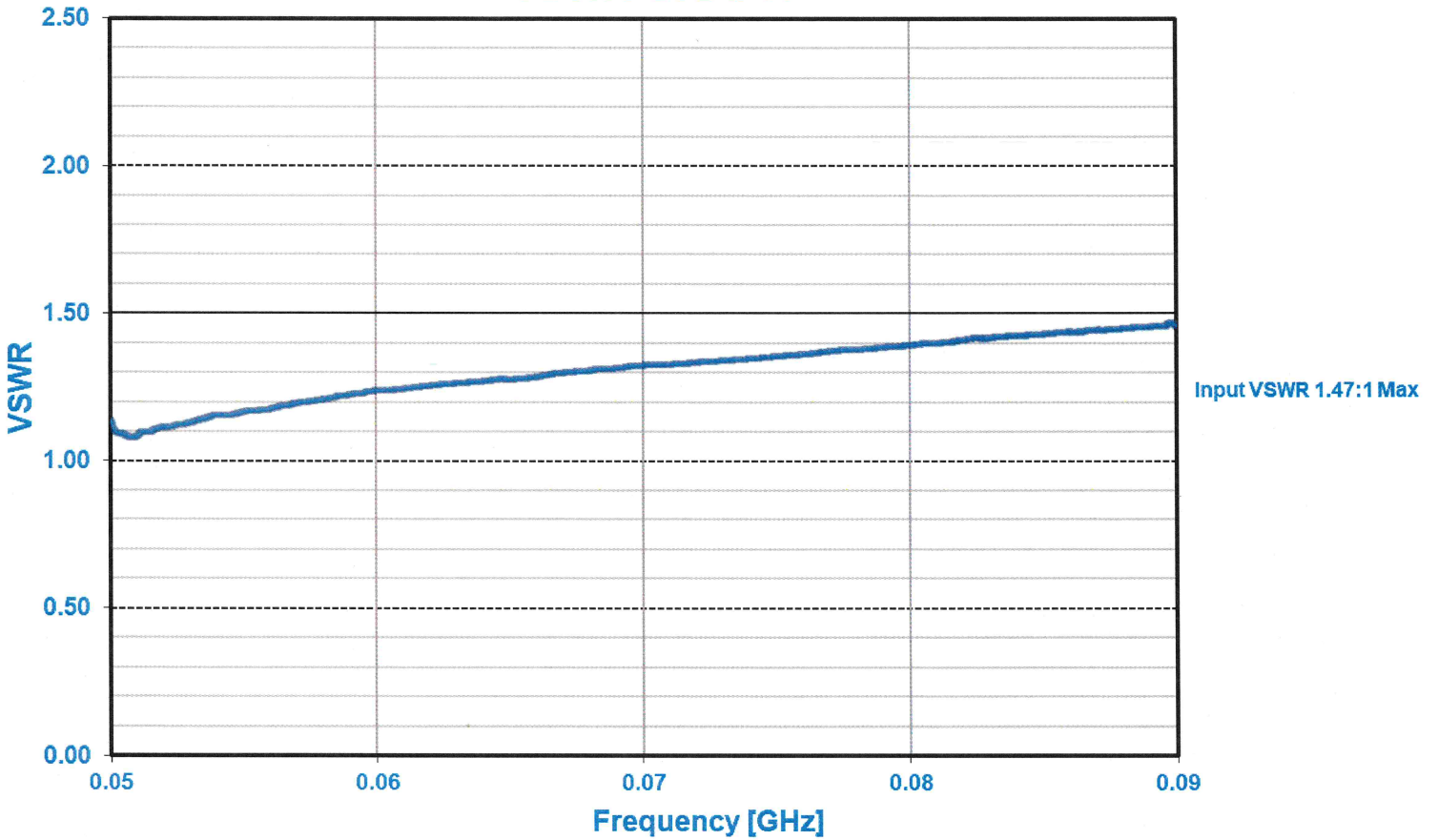
Flatness +/-dB	0.7	1.3	1.2	1	0.9	0.8	0.6	0.5	0.5	0.5	0.5	0.6	0.7	0.8	1	1.2	1
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**VSWR GRAPH**





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