



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

Customer: _____
SO No: _____
Model No DLVA-70M-80-15V
Serial NO: PL45090/2421

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	0.2 TO 1.45 VOLTS	
3	LOG SLOPE	25.0 mV/dB NOMINAL	25.3 mV/dB	
4	LOG LINEARITY -80 TO 0 dBm	±1.5 dB (MAX)	±0.96 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	1.6 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: *K. Lester*

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: PL45090
 TEST TEMP: +25C



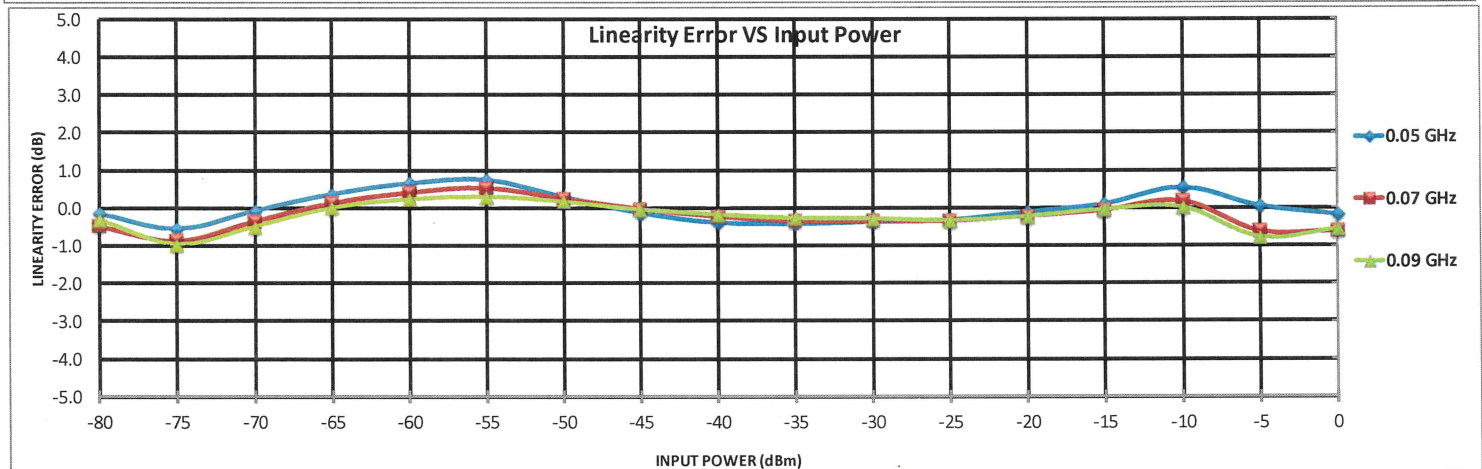
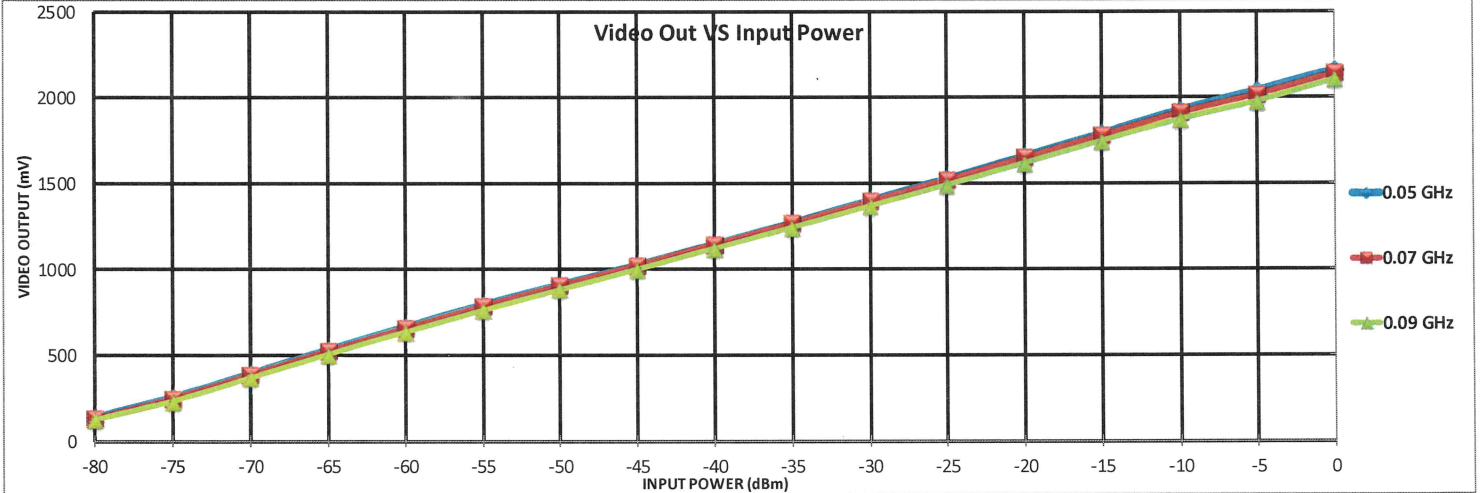
PLANAR MONOLITHICS INDUSTRIES
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 URL: WWW.PMI-RF.COM
 EMAIL: SALES@PMI-RF.COM

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)	135 251 390 528 662 791 906 1022 1142 1268 1396 1524 1656 1788 1926 2040 2161																	Measured Value (mV)
	SLOPE (mV/dB)	-4 -14 -2 9 17 19 7 -3 -10 -11 -10 -8 -3 2 14 1 -5																	Error (mV)
		-0.14 -0.57 -0.08 0.37 0.65 0.75 0.29 -0.14 -0.40 -0.43 -0.38 -0.32 -0.11 0.10 0.54 0.04 -0.18																	LINEARITY ERROR (dB)
0.07 GHz	INTERCEPT (mV)	131 247 386 524 657 786 905 1024 1145 1268 1394 1520 1649 1779 1911 2017 2143																	Measured Value (mV)
	SLOPE (mV/dB)	-12 -22 -9 3 10 13 6 -1 -6 -9 -9 -9 -9 -6 -2 4 -16 -15																	Error (mV)
		-0.47 -0.87 -0.35 0.12 0.40 0.52 0.25 -0.03 -0.23 -0.35 -0.34 -0.34 -0.22 -0.06 0.18 -0.62 -0.62																	LINEARITY ERROR (dB)
0.09 GHz	INTERCEPT (mV)	122 230 366 503 633 759 880 999 1120 1242 1366 1489 1616 1745 1871 1975 2105																	Measured Value (mV)
	SLOPE (mV/dB)	-8 -24 -12 0 6 8 4 -1 -4 -7 -7 -8 -6 -1 1 -20 -14																	Error (mV)
		-0.30 -0.96 -0.49 0.02 0.25 0.31 0.18 -0.03 -0.17 -0.26 -0.28 -0.33 -0.22 -0.04 0.03 -0.79 -0.56																	LINEARITY ERROR (dB)

Flatness +/-dB

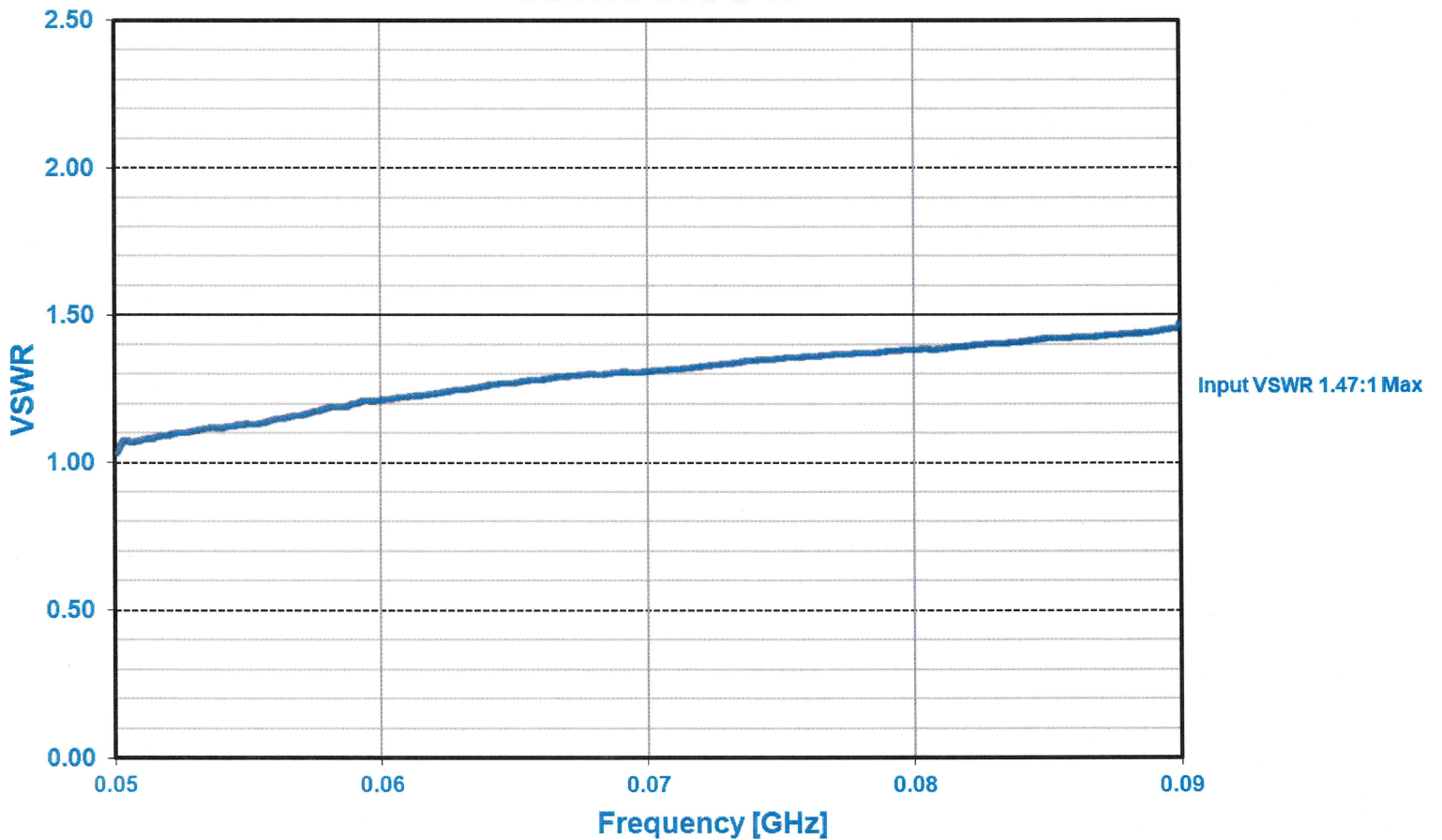
0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.9	1.1	1.3	1.1
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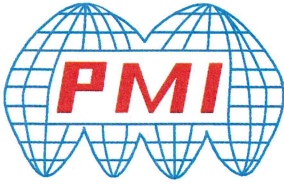




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VSWR GRAPH





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