



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

Customer: _____
SO No: _____
Model No DLVA-70M-80-15V
Serial NO: PL45092/2422

Tested by: Daniel Weinrob
Temperature: +25°C UNLESS OTHERWISE SPECIFIED
Date: 5/29/2024
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.	1.41:1	PMI QA3
2	TYPICAL OUTPUT VOLTAGE @ -70 dBm to 0 dBm	0.2 TO 2 VOLTS	0.2 TO 1 VOLT	
3	LOG SLOPE	25.0 mV/dB NOMINAL	25.2 mV/dB	
4	LOG LINEARITY -80 TO 0 dBm	±1.5 dB (MAX)	± 1.3 dB	
5	BANDWIDTH	50 TO 90 MHz	50 TO 90 MHz	
6	RISE TIME (10% TO 90%POINTS)	30 nS (MAX)	22 nS	
7	LIMITED RF OUTPUT	0 dBm NOMINAL	2.2 dBm	
8	DC POWER @ +15 V No RF Input	175 mA (MAX)	150 mA	
9	DC POWER @ -15 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-80-15V
 TESTED BY: E.BENSON
 TEST DATE: 05/16/2024
 SERIAL NO: PL45092
 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
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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)	2078
	SLOPE (mV/dB)	25.1

97	194	325	466	594	725	840	949	1064	1190	1315	1448	1577	1713	1849	1986	2109
25	-3	2	12	21	26	16	-1	-11	-10	-11	-3	1	11	22	33	31
1.00	-0.13	0.10	0.48	0.82	1.05	0.63	-0.02	-0.43	-0.41	-0.43	-0.12	0.02	0.44	0.87	1.33	1.24

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

0.07 GHz	INTERCEPT (mV)	2097
	SLOPE (mV/dB)	25.2

95	193	327	466	602	732	849	966	1083	1209	1333	1462	1590	1722	1859	1983	2109
13	-15	-7	6	16	20	11	2	-7	-7	-9	-5	-3	3	14	12	12
0.52	-0.59	-0.27	0.25	0.65	0.81	0.45	0.09	-0.26	-0.26	-0.34	-0.22	-0.14	0.10	0.54	0.46	0.46

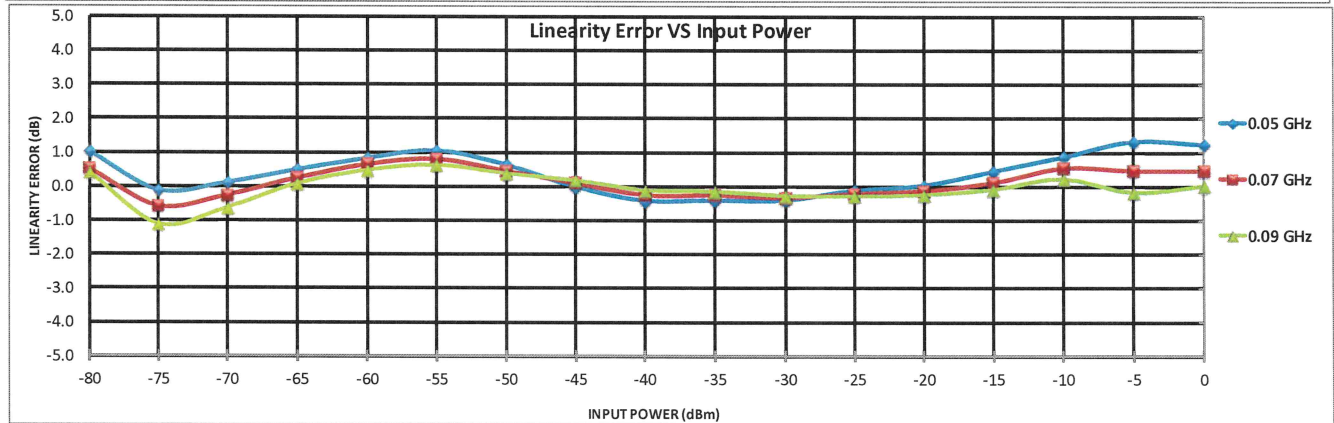
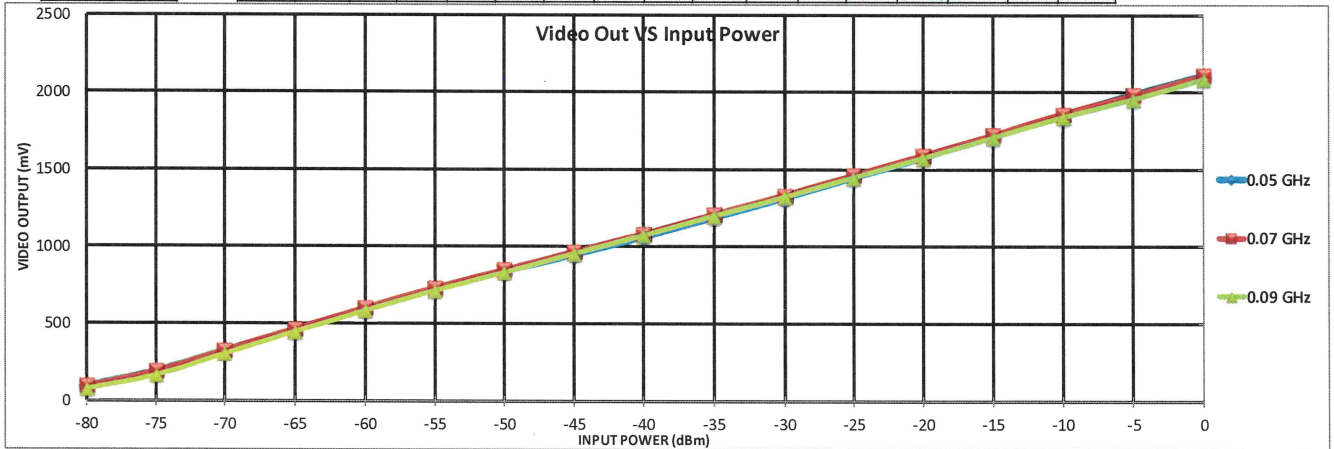
Measured Value (mV)
Error (mV)
LINEARITY ERROR (dB)

0.09 GHz	INTERCEPT (mV)	2086
	SLOPE (mV/dB)	25.2

78	166	304	448	584	714	834	955	1074	1199	1322	1448	1575	1705	1839	1955	2086
10	-28	-16	2	12	16	10	4	-3	-4	-7	-7	-6	-2	6	-4	0
0.41	-1.10	-0.63	0.08	0.47	0.62	0.38	0.18	-0.11	-0.15	-0.27	-0.28	-0.24	-0.09	0.22	-0.18	0.02

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

Flatness +/-dB	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.6	0.5
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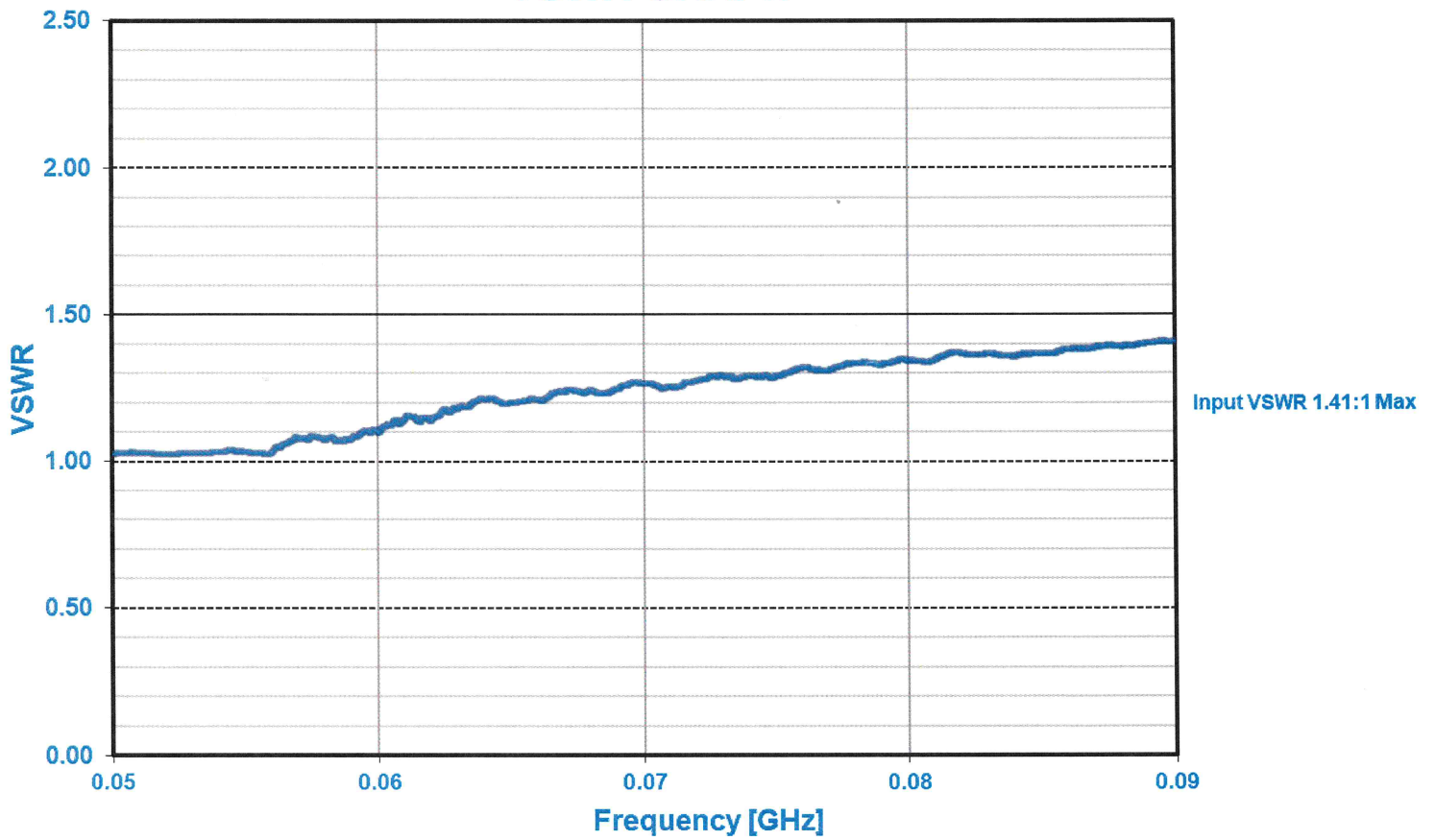


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 Email: sales@pmi-rf.com



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DLVA-70M-80-15V**

VSWR GRAPH





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Rise Time

