



**SUMMARY TEST DATA  
ON  
SDLVA-0120-70-CONDOR**

CUSTOMER: _____	SALES ORDER: <u>20180278-P-P</u>
MODEL NO: _____	TESTED BY: <u>Alan Kendall</u>
OPTION NO: _____	TEMPERATURE: <u>+25°C</u>
SERIAL NO: <u>PL25976/1929</u>	DATE: <u>07/15/19</u>
DRAWING NO: <u>27608414</u>	REVISION: <u>A1</u>

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	FREQUENCY RANGE:	750 MHz TO 1250 MHz	750 MHz TO 1250 MHz	B 7-17-19
2	DYNAMIC RANGE:	70 dBm MINIMUM, 75 dBm TYPICAL	70 dBm	
3	LOG LINEARITY:	±2.5 dB MAXIMUM @ 1 GHz	+0.60 dB -0.81 dB	
4	MINIMUM LOGGING RANGE:	-60 dBm MINIMUM, -65 dBm TYPICAL	-65 dBm	
5	MAXIMUM LOGGING RANGE:	+5 dBm MINIMUM +8 dBm TYPICAL	+5 dBm	
6	VSWR:	1.8:1 MAX (INPUT)	1.65:1	
7	TANGENTIAL SENSITIVITY:	-65 dBm MINIMUM, -70 dBm TYPICAL	-71 dBm	
8	LIMITED IF OUTPUT:	-6 dBm NOMINAL, ±2.5 db MAXIMUM	-5.83 dBm	
9	MAXIMUM RF INPUT POWER:	+10 dBm	PASS	
10	OUTPUT COUPLING:	DC	PASS	
11	MAXIMUM OUTPUT VOLTAGE:	2.7 VOLTS	PASS	
12	RISE TIME:	25 ns MAXIMUM	15 ns	 ↓



**SUMMARY TEST DATA  
ON  
SDLVA-0120-70-CONDOR**

13	FALL TIME:	30 ns MAXIMUM	14 ns	03 7-17-19
14	SETTLING TIME:	40 ns MAXIMUM	15 ns	↓
15	DC OFFSET:	0.1 V NOMINAL (ADJUSTABLE)	PASS	
16	SLOPE:	25 mV/dB NOMINAL ±5 mV/dB	23.1 mV/dB	
17	LOG SLOPE VARIATION WITH FREQUENCY:	±0.5 mV/dB TYPICAL (OVER 80 MHz RF BANDWIDTH)	0.35 mV/dB	
18	LOG SLOPE VARIATION WITH TEMPERATURE:	±1 mV/dB TYPICAL	±1.05 mV/dB	
19	PROPAGATION DELAY:	7 ns TYPICAL, 10 ns MAXIMUM	7 ns	
20	VIDEO LOAD:	100 Ω ± 10%	PASS	
21	DC POWER SUPPLY :	+10V TO +16.5V @ 200mA MAX* -10V TO -16.5V @ 200mA MAX	110 mA 120 mA	

**\*NOTE: DO NOT SUPPLY +V WITHOUT -V SUPPLIED AS WELL AS THIS MAY DESTROY THE UNIT**

TESTED ON:

QA/QC APPROVAL:

*Arthur Zimmerman*

DATED: 7-17-2019



# SUMMARY TEST DATA ON SDLVA-0120-70-CONDOR

LOG TRANSFER WITH FREQUENCY  
 MODEL: SDLVA-0120-70-CONDOR  
 TESTED BY: JMattssonBoze  
 TEST DATE: 07/16/2019  
 SERIAL NO: PL25976  
 TEST TEMP: +25C



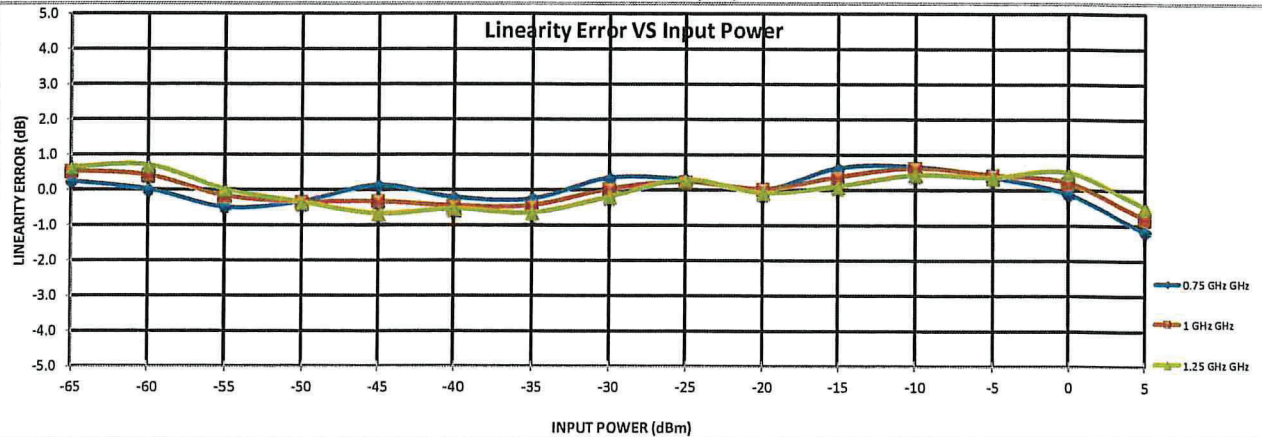
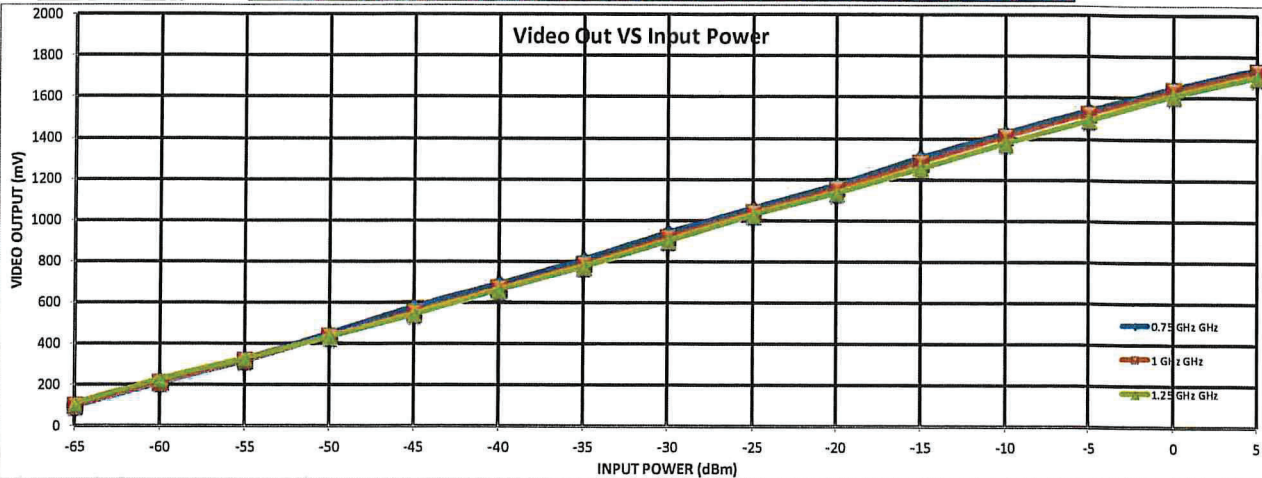
PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD  
 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM

Frequency

Frequency	Intercept (mV)	Slope (mV/dB)	RF Input Power (dBm)	Measured Value (mV)	Error (mV)	Linearity Error (dB)
0.75 GHz	1643	23.8	-65	100	5	0.23
			-60	214	0	0.01
			-55	321	-12	-0.49
			-50	444	-8	-0.33
1 GHz	1629	23.8	-65	96	12	0.51
			-60	212	9	0.39
			-55	317	-5	-0.19
			-50	432	-8	-0.36
1.25 GHz	1597	23.1	-65	108	15	0.63
			-60	225	16	0.69
			-55	325	0	0.02
			-50	432	-8	-0.36

Flatness +/-dB

0.3	0.3	0.2	0.3	0.7	0.5	0.7	0.8	0.6	0.7	1	0.9	0.9	0.7	0.7
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	-----	-----	-----	-----



7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
 email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



**SUMMARY TEST DATA  
ON  
SDLVA-0120-70-CONDOR**

Model Number: SDLVA-0120-70-CONDOR  
Serial Number: PL25976

Temperature: +25C

**VSWR GRAPH**

