

**SUMMARY TEST DATA
ON
PLVA-218-50-618**

Customer: _____ Tested By: RCombs
 SO No: _____ Temperature: +25°C
 Model No: PLVA-218-50-618 Date: 09/30/21
 Serial No: 13213 Drawing No: 27618594 Rev: A1
 Part No: _____

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	6 GHz – 18 GHz	6 GHz – 18 GHz	PMI QA1
2	Frequency Flatness:	± 1.0 dB Max.	± 0.5 dB	
3	Logging Range:	-40 to 0 dBm Min.	-40 to 0 dBm	
4	Useful Range:	-40 to + 5 dBm	-40 to +5 dBm	
5	Log Linearity Error:	± 1.0 dB Max (Room Temp)	± 0.44 dB	
6	Log Slope: (Log Slope Accuracy)	50mV/dB (±4% of Average Slope)	Pass/Fail (See Plot)	
7	Temperature Stability:	± 1.0 dB Max (-54°C to 85°C)	± 0.96 dB	
8	Rise Time:	20 ns Max.	See Typical Characteristics	
9	Settling:	45 ns Max.	See Typical Characteristics	
10	Recovery Time:	150 ns Typ. 300 ns Max.	See Typical Characteristics	
11	TSS:	-40 dBm Min.	-43 dBm	
12	VSWR:	3.0:1 Max	2.975:1 (See Plot)	
13	Max RF Input:	+ 15 dBm	+ 15 dBm	
14	Video Output Level:	0 – 2.5 Volts (50Ω Minimum Load)	0 – 2.5 Volts	
15	DC Supply:	+15V @ 75 mA Max -15V @ 75 mA Max	47 mA 48 mA	

* Please Refer To Excel Test Data Template 2 (ATTACHED)

QA/QC Approval:  PMI QA1 Date: 9/30/21

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

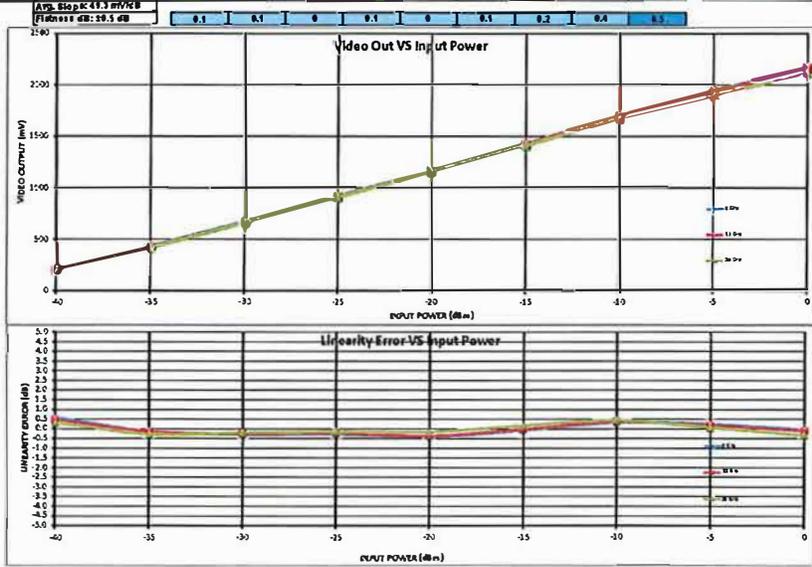
SUMMARY TEST DATA ON PLVA-218-50-618

Log Transfer vs. Frequency

MODEL: PLVA-218-50-618
SERIAL NO: 3213
DATE: 08/16/21
TESTED BY: Rcmab
Test Temp: +25°C



Frequency		-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
6 GHz	INTERCEPT (mV)	213	414	617	818	1019	1220	1421	1622	1823	Measured Value (mV)
	SLOPE (mV/dB)	20	-6	-14	-13	-20	-5	17	12	-2	Error (mV)
		0.53	-0.12	-0.28	-0.27	-0.40	-0.07	0.34	0.25	-0.64	0.58
12 GHz	INTERCEPT (mV)	219	424	627	827	1028	1229	1430	1631	1832	Measured Value (mV)
	SLOPE (mV/dB)	24	-6	-12	-16	-17	-5	18	9	-5	Error (mV)
		0.43	-0.12	-0.24	-0.30	-0.35	-0.02	0.33	0.17	-0.10	0.48
18 GHz	INTERCEPT (mV)	245	410	626	813	1058	1413	1670	1836	2119	Measured Value (mV)
	SLOPE (mV/dB)	18	-2	-20	-20	10	8	20	20	-16	Error (mV)
		0.53	-0.27	-0.19	-0.13	-0.15	0.18	0.45	0.07	-0.32	0.48



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Return Loss @ -20 dBm

