

**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: 13212 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.	± 0.7 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	2.97:1 (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	41 mA 42 mA	

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

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

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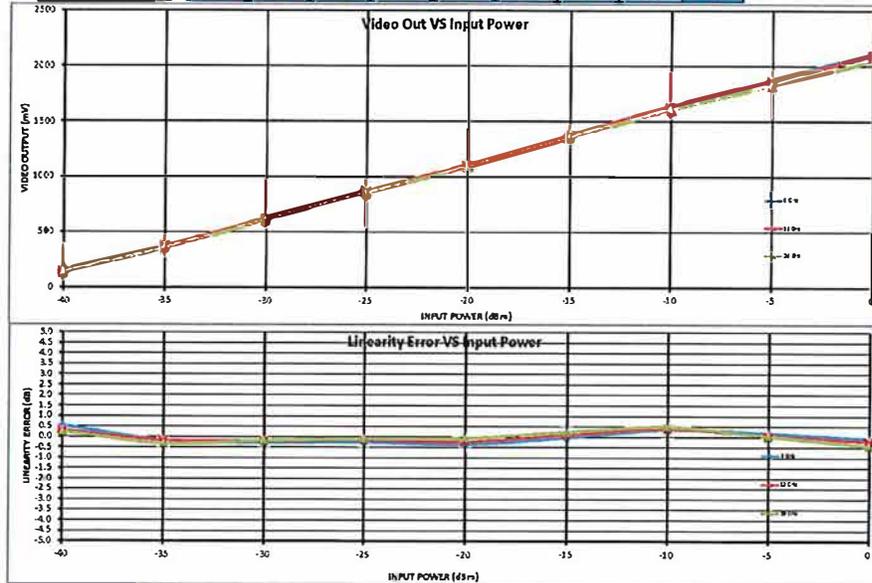
SUMMARY TEST DATA ON PLVA-218-50-618

Log Transfer vs. Frequency

MODEL: PLVA-218-50-618
 SERIAL NO: V000977803120210212
 DATE: 09/14/21
 TESTED BY: Rcomb
 Test Temp: +25°C



Frequency		-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
6 GHz	INTERCEPT (mV)	150	371	614	862	1105	1360	1630	1925	2110	Measured Value (mV)
	SLOPE (mV/dB)	27	-8	-13	-12	-17	-1	10	9	-4	Error (mV)
		0.55	-0.15	-0.15	-0.25	-0.35	-0.02	0.36	0.10	-0.07	0.55
12 GHz	INTERCEPT (mV)	152	376	621	871	1119	1374	1631	1900	2102	Measured Value (mV)
	SLOPE (mV/dB)	18	-2	-8	-8	-11	3	20	6	-10	Error (mV)
		0.32	-0.15	-0.19	-0.19	-0.23	0.10	0.60	0.05	-0.20	0.40
18 GHz	INTERCEPT (mV)	162	387	636	882	1135	1392	1656	1926	2146	Measured Value (mV)
	SLOPE (mV/dB)	17	-15	-5	-1	-5	13	21	7	-10	Error (mV)
		0.25	-0.21	-0.16	-0.08	-0.04	0.25	0.40	0.04	-0.42	0.40
Avg Slope: 49.1 mV/dB		0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.6	
Flatness dB: 29.8 dB											





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Return Loss @ -20 dBm

