



## Typical Characteristics for SDLVA-3G18G-CW-70-MAH

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: SDLVA-3G18G-CW-70-MAH IS A CW-IMMUNE SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER OPERATING IN THE 2-18 GHz FREQUENCY BAND. IT FEATURES A SPST ON THE RF OUTPUT WHICH ALLOWS FOR THE RF TO BE BLANKED WHEN THE RF INPUT SIGNAL IS BELOW THE -64dBm THRESHOLD. IN ADDITION TO RF BLANKING, A 3.3V TTL-COMPATIBLE OUTPUT IS ALSO PROVIDED FOR TIME-GATING OR SAMPLING, TO ASSIST IN DIGITAL SYSTEM INTEGRATION.



**June 03, 2013**  
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**Drafted by: Nick Ackermann/Justin Shupe**  
**Reported by: Paul Kuhn**

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## Typical Characteristics for SDLVA-3G18G-CW-70-MAH

### Summary Test Data (Part 1)

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range	2 -18GHz	<b>2 -18 GHz</b>	
2	Frequency Flatness	±2.0 dB Max.	<b>±1.2 dB</b>	
3	TSS	-68 dBm Min., -70 dBm Typ.	<b>-68 dBm</b>	
4	Limited Output Power	+6.5 dBm ±3.0dB Max.	<b>7 dBm ±1.0dB</b>	
5	VSWR	2.0:1 Max.	<b>1.49 :1</b>	
6	Linear Output Gain	43dB ±3.0dB Max.	<b>43 dB ±2.0dB</b>	
7	Linear Output Psat	3 dBm ±3.0dB Max.	<b>3 dBm ±1.5dB</b>	
8	V0 (Video Comparator Signal Amplitude)	3.3V Typ.	<b>3.5 V</b>	
9	Video Comparator Delay	50 ns Typ.	<b>40 ns</b>	
10	Video Comparator Threshold Level	-64 dBm ± 3.0 dB Max.	<b>-62 dBm ± 1dB</b>	
11	V1 (Log Video Signal Amplitude)	1 Volt Max.	<b>0.82 V</b>	
12	Log Slope	10mV/dB into a 50Ω load (±1mV) Max.	<b>10.0 mV/dB</b>	
13	Log Range	-65 to +5 dBm Min.	<b>-65 to +5 dBm</b>	



## Typical Characteristics for SDLVA-3G18G-CW-70-MAH

### Summary Test Data (Part 2)

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
14	Log Linearity	±1.75dB (-40 to +85°C) Max.	<b>±0.9 dB</b> (-40 to +85°C)	
15	Pulse Range	100ns to 250µs	<b>100ns to 250µs</b>	
16	Rise Time	35ns Max.	<b>19 ns</b>	
17	Settling time to ±1dB	50ns Typ.	<b>40 ns</b>	
18	Recovery Time	200ns Max. (150ns Typ.)	<b>200 ns</b>	
19	CW Immunity Range	TSS to -45 dBm (1dB degradation)	<b>0.6 dB</b>	
20	Pulse Considered CW	1ms Typ.	<b>0.4 ms</b>	
21	Rejection Time	1ms Typ.	<b>0.3 ms</b>	
22	Droop	1dB Max.	<b>0 dB</b>	
23	SPST Isolation	70dB Typ.	<b>&gt; 70 dB</b>	
24	SPST Switch Speed	20ns Typ.	<b>20 ns</b>	
25	Power Supply	±12VDC to ±15VDC	±12VDC to ±15VDC	



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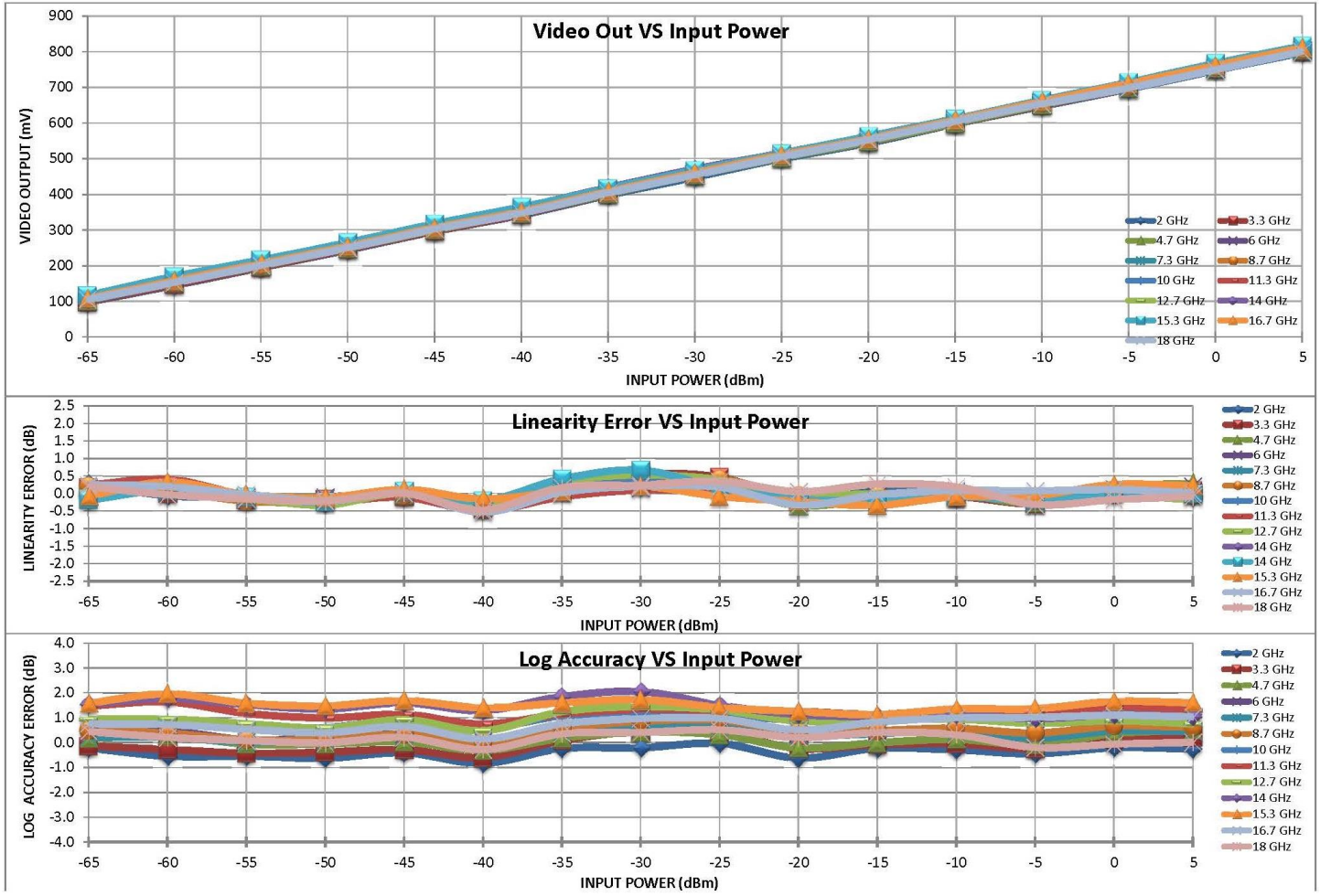
## Log Slope, Linearity, and Frequency Flatness (Tabulated Data) @ 25°C

		RF Input Power (dBm)																
		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5		
2 GHz	INTERCEPT (mV)	98 145 195 244 296 342 398 448 500 544 598 647 696 748 797														Measured Value (mV)		
	SLOPE (mV/dB)	3 -1 -1 -2 0 4 2 2 3 -3 1 0 -2 1 0														Error (mV)		
		0.28 -0.06 -0.08 -0.18 0.02 -0.42 0.16 0.17 0.33 -0.28 0.10 0.02 -0.15 0.08 0.01														LINEARITY ERROR (dB)		
3.3 GHz	INTERCEPT (mV)	99 147 196 246 297 344 401 455 504 548 599 649 698 751 802														Measured Value (mV)		
	SLOPE (mV/dB)	2 0 -2 -2 -1 -4 2 6 5 -2 -1 -1 -3 0 1														Error (mV)		
		0.17 0.01 -0.17 -0.16 -0.09 -0.44 0.21 0.55 0.46 -0.20 -0.08 -0.08 -0.29 0.04 0.08														LINEARITY ERROR (dB)		
4.7 GHz	INTERCEPT (mV)	102 153 199 249 300 347 402 454 503 548 600 651 699 754 805														Measured Value (mV)		
	SLOPE (mV/dB)	1 2 -1 -1 0 -4 1 3 2 -3 -2 0 -3 2 3														Error (mV)		
		0.15 0.24 -0.10 -0.11 -0.04 -0.40 0.08 0.31 0.19 -0.34 -0.15 -0.03 -0.26 0.17 0.30														LINEARITY ERROR (dB)		
6 GHz	INTERCEPT (mV)	104 155 201 252 303 350 404 456 505 553 604 656 703 757 808														Measured Value (mV)		
	SLOPE (mV/dB)	2 2 -2 -1 0 -3 1 1 1 -1 -1 0 -2 1 2														Error (mV)		
		0.18 0.22 -0.17 -0.11 0.01 -0.33 0.05 0.15 0.09 -0.15 -0.11 0.04 -0.23 0.14 0.21														LINEARITY ERROR (dB)		
7.3 GHz	INTERCEPT (mV)	102 152 200 251 302 349 404 456 507 553 604 654 702 755 804														Measured Value (mV)		
	SLOPE (mV/dB)	1 0 -2 -1 0 -4 1 3 3 -1 0 0 -2 0 0														Error (mV)		
		0.10 0.04 -0.16 -0.13 0.01 -0.37 0.15 0.31 0.33 -0.06 -0.01 0.05 -0.25 0.02 -0.03														LINEARITY ERROR (dB)		
8.7 GHz	INTERCEPT (mV)	105 154 201 251 303 350 406 459 509 555 605 656 704 757 806														Measured Value (mV)		
	SLOPE (mV/dB)	2 1 -2 -2 -1 -4 1 4 4 -1 -1 0 -2 0 0														Error (mV)		
		0.21 0.08 -0.22 -0.23 -0.05 -0.40 0.13 0.39 0.41 -0.05 -0.06 0.01 -0.21 0.04 -0.03														LINEARITY ERROR (dB)		
10 GHz	INTERCEPT (mV)	107 158 206 256 309 356 411 462 511 559 608 660 709 761 810														Measured Value (mV)		
	SLOPE (mV/dB)	0 1 -2 -2 1 -3 2 3 2 -1 -1 0 -1 1 -1														Error (mV)		
		0.01 0.11 -0.16 -0.18 0.08 -0.25 0.20 0.32 0.18 -0.05 -0.13 0.02 -0.12 0.08 -0.08														LINEARITY ERROR (dB)		
11.3 GHz	INTERCEPT (mV)	115 166 212 260 311 357 411 463 513 563 611 663 712 764 813														Measured Value (mV)		
	SLOPE (mV/dB)	2 4 -1 -2 -1 -5 -1 1 1 0 -1 1 0 2 0														Error (mV)		
		0.24 0.40 -0.05 -0.24 -0.11 -0.49 -0.09 0.10 0.05 0.01 -0.11 0.08 -0.02 0.19 0.05														LINEARITY ERROR (dB)		
12.7 GHz	INTERCEPT (mV)	109 159 208 256 309 355 412 464 513 559 609 659 708 759 808														Measured Value (mV)		
	SLOPE (mV/dB)	0 0 -1 -3 0 -4 3 5 4 -1 0 0 -2 -1 -2														Error (mV)		
		0.04 0.04 -0.15 -0.32 0.01 -0.43 0.32 0.52 0.39 -0.06 0.00 0.02 -0.15 -0.05 -0.18														LINEARITY ERROR (dB)		
14 GHz	INTERCEPT (mV)	115 168 215 264 316 363 418 470 515 561 611 661 710 761 810														Measured Value (mV)		
	SLOPE (mV/dB)	-2 1 -1 -2 1 -2 4 7 2 -2 -2 -1 -2 0 0														Error (mV)		
		-0.19 0.09 -0.11 -0.24 0.06 -0.21 0.41 0.66 0.15 -0.17 -0.20 -0.08 -0.19 0.01 -0.01														LINEARITY ERROR (dB)		
15.3 GHz	INTERCEPT (mV)	116 170 216 265 317 364 416 467 514 562 611 664 714 767 816														Measured Value (mV)		
	SLOPE (mV/dB)	-1 3 0 -1 1 -2 1 2 -1 -2 -3 -1 -1 3 2														Error (mV)		
		-0.08 0.33 -0.03 -0.12 0.11 -0.16 0.06 0.21 -0.08 -0.23 -0.34 -0.09 -0.06 0.26 0.22														LINEARITY ERROR (dB)		
16.7 GHz	INTERCEPT (mV)	107 157 205 254 306 351 407 460 510 555 608 660 710 761 810														Measured Value (mV)		
	SLOPE (mV/dB)	3 2 0 -2 0 5 0 2 2 -3 0 1 1 1 0														Error (mV)		
		0.25 0.19 -0.03 -0.21 0.00 -0.53 0.03 0.21 0.17 -0.33 -0.04 0.09 0.07 0.12 0.01														LINEARITY ERROR (dB)		
18 GHz	INTERCEPT (mV)	104 152 201 250 302 347 404 454 505 552 604 653 698 749 800														Measured Value (mV)		
	SLOPE (mV/dB)	2 0 -1 -2 0 5 2 2 3 1 3 2 -3 -2 -1														Error (mV)		
		0.20 -0.03 -0.15 -0.22 0.00 -0.47 0.17 0.24 0.35 0.05 0.27 0.19 -0.31 -0.17 -0.09														LINEARITY ERROR (dB)		
Average Slope (mV)		0.9 1.2 1.1 1 1 1.1 1 1.1 0.8 0.9 0.7 0.8 0.9 0.9 0.9																
Flatness		98 145 195 244 296 342 398 448 500 544 598 647 696 748 797 118 170 218 266 317 364 418 470 515 563 611 664 714 767 816 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800																
Log Accuracy		1.6 2.0 1.6 1.5 1.7 1.4 1.8 2.0 1.5 1.3 1.1 1.4 1.4 1.7 1.6																



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## Log Slope, Linearity, and Accuracy (Graphs) @ 25°C

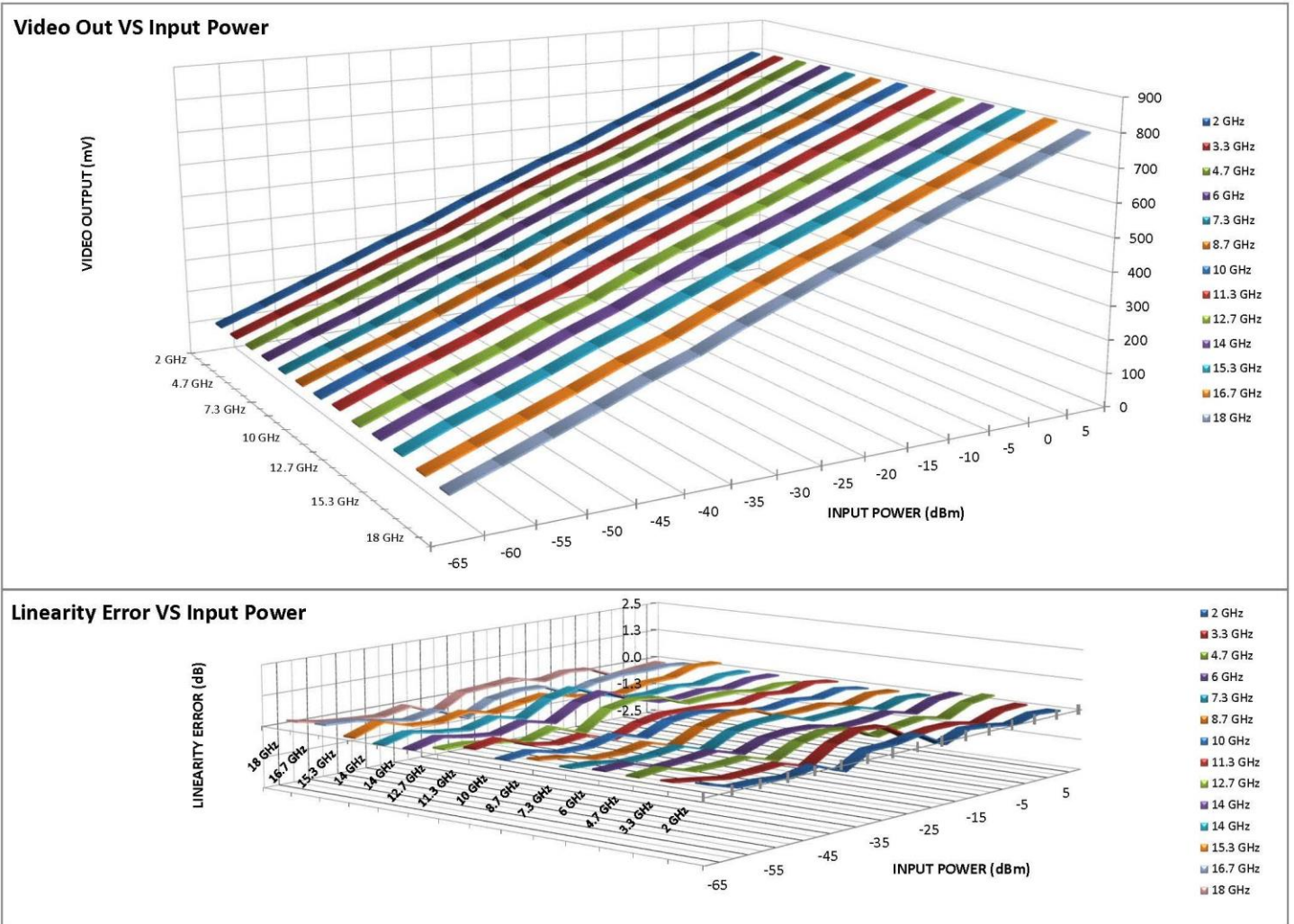


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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Log Slope, Linearity, and Frequency Flatness (3D- Graphs) @ 25°C



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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

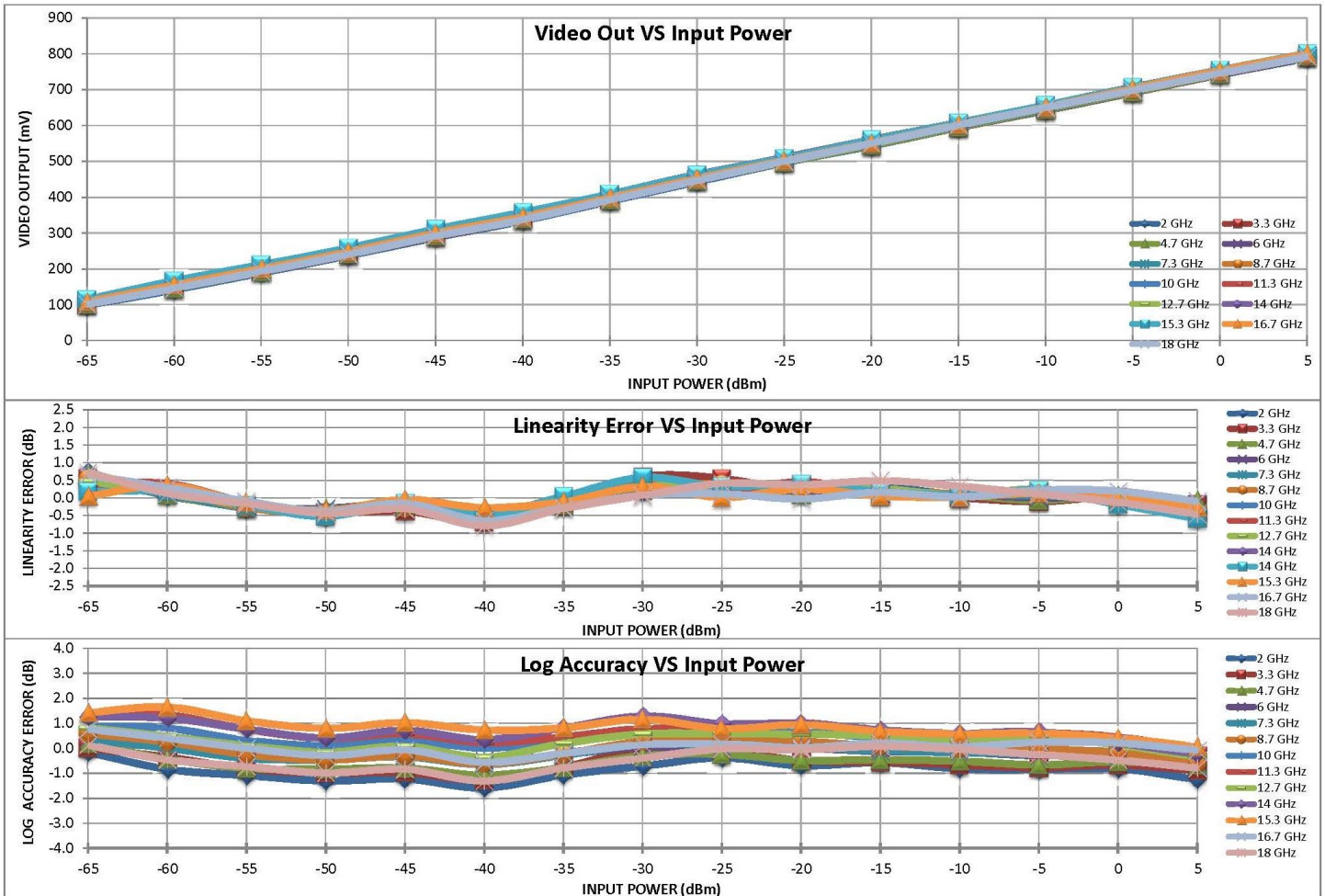
## Log Slope, Linearity, and Frequency Flatness (Tabulated Data) @ -40°C

		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	98															Measured Value (mV)
	SLOPE (mV/dB)	7															Error (mV)
		0.73 0.06 -0.20 -0.41 -0.33 -0.69 -0.18 0.18 0.51 0.19 0.32 0.08 0.05 0.06 -0.36															LINEARITY ERROR (dB)
3.3 GHz	INTERCEPT (mV)	100															Measured Value (mV)
	SLOPE (mV/dB)	6															Error (mV)
		0.56 0.20 -0.25 -0.42 -0.38 -0.68 -0.15 0.59 0.55 0.16 0.11 0.00 -0.10 0.02 -0.19															LINEARITY ERROR (dB)
4.7 GHz	INTERCEPT (mV)	102															Measured Value (mV)
	SLOPE (mV/dB)	7															Error (mV)
		0.69 0.09 -0.27 -0.30 -0.26 -0.53 -0.22 0.26 0.33 0.09 0.12 0.08 -0.07 0.07 -0.08															LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	106															Measured Value (mV)
	SLOPE (mV/dB)	5															Error (mV)
		0.48 0.17 -0.26 -0.30 -0.16 -0.43 -0.15 0.18 0.17 0.20 0.10 0.11 -0.01 0.05 -0.17															LINEARITY ERROR (dB)
7.3 GHz	INTERCEPT (mV)	103															Measured Value (mV)
	SLOPE (mV/dB)	4															Error (mV)
		0.42 0.10 -0.29 -0.33 -0.19 -0.48 -0.09 0.35 0.34 0.28 0.16 0.11 0.05 -0.01 -0.41															LINEARITY ERROR (dB)
8.7 GHz	INTERCEPT (mV)	106															Measured Value (mV)
	SLOPE (mV/dB)	5															Error (mV)
		0.53 0.22 -0.27 -0.47 -0.29 -0.60 -0.18 0.34 0.40 0.36 0.20 0.13 0.11 -0.03 -0.44															LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	109															Measured Value (mV)
	SLOPE (mV/dB)	3															Error (mV)
		0.29 0.23 -0.23 -0.40 -0.15 -0.43 -0.11 0.30 0.23 0.34 0.14 0.08 0.18 0.01 -0.48															LINEARITY ERROR (dB)
11.3 GHz	INTERCEPT (mV)	113															Measured Value (mV)
	SLOPE (mV/dB)	4															Error (mV)
		0.36 0.40 -0.13 -0.45 -0.22 -0.53 -0.25 0.12 0.15 0.45 0.15 0.09 0.18 0.06 -0.38															LINEARITY ERROR (dB)
12.7 GHz	INTERCEPT (mV)	108															Measured Value (mV)
	SLOPE (mV/dB)	5															Error (mV)
		0.48 0.15 -0.21 -0.46 -0.21 -0.64 -0.08 0.31 0.34 0.33 0.26 0.08 0.25 -0.06 -0.53															LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV)	113															Measured Value (mV)
	SLOPE (mV/dB)	2															Error (mV)
		0.17 0.18 -0.21 -0.52 -0.16 -0.48 0.04 0.57 0.32 0.39 0.18 0.08 0.21 -0.19 -0.59															LINEARITY ERROR (dB)
15.3 GHz	INTERCEPT (mV)	114															Measured Value (mV)
	SLOPE (mV/dB)	1															Error (mV)
		0.05 0.35 -0.13 -0.36 -0.05 -0.28 -0.11 0.32 0.01 0.25 0.05 0.02 0.13 0.01 -0.27															LINEARITY ERROR (dB)
16.7 GHz	INTERCEPT (mV)	108															Measured Value (mV)
	SLOPE (mV/dB)	6															Error (mV)
		0.64 0.29 -0.10 -0.39 -0.16 -0.65 -0.28 0.07 0.11 -0.03 0.16 0.02 0.21 0.19 -0.10															LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	101															Measured Value (mV)
	SLOPE (mV/dB)	7															Error (mV)
		0.72 0.13 -0.16 -0.44 -0.32 -0.80 -0.30 0.07 0.41 0.37 0.48 0.33 0.11 -0.13 -0.47															LINEARITY ERROR (dB)
Average Slope (mV)		0.8															
Flatness		1.2 1.1 1.1 1.1 1.2 0.9 1 0.7 0.9 0.7 0.7 0.8 0.6 0.7															
Log Accuracy ± dB		1.4 1.6 1.1 1.3 1.2 1.6 1.1 1.3 1.0 1.0 0.7 0.8 0.8 0.8 1.3															



# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Log Slope, Linearity, and Accuracy (Graphs) @ -40°C



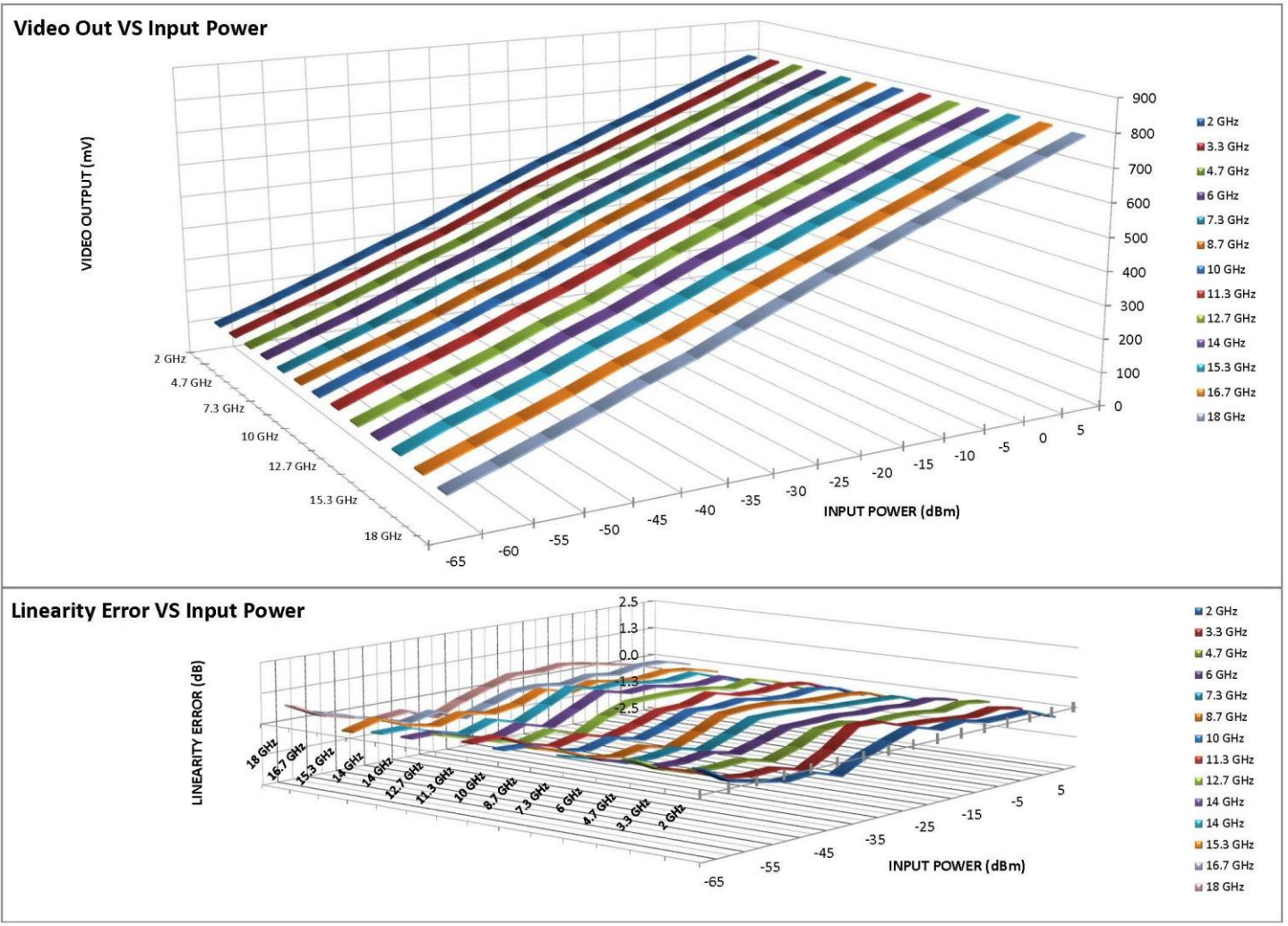
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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Log Slope, Linearity, and Frequency Flatness (3D- Graphs) @ -40°C



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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Log Slope, Linearity, and Frequency Flatness (Tabulated Data) @ 85°C

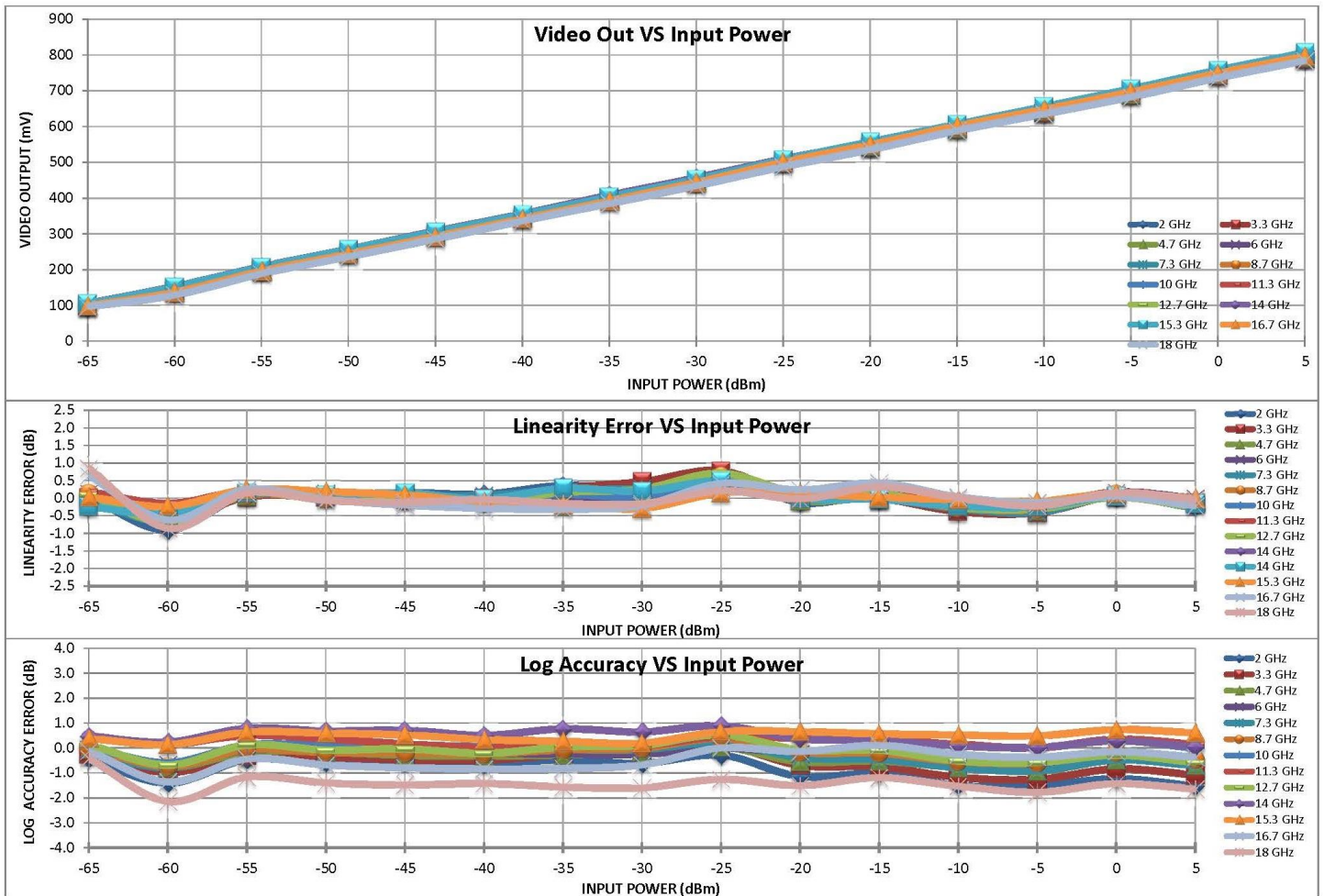
		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	96															Measured Value (mV)
	SLOPE (mV/dB)	0															Error (mV)
		0.03															LINEARITY ERROR (dB)
3.3 GHz	INTERCEPT (mV)	98															Measured Value (mV)
	SLOPE (mV/dB)	0															Error (mV)
		0.02															LINEARITY ERROR (dB)
4.7 GHz	INTERCEPT (mV)	100															Measured Value (mV)
	SLOPE (mV/dB)	1															Error (mV)
		0.12															LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	99															Measured Value (mV)
	SLOPE (mV/dB)	1															Error (mV)
		0.12															LINEARITY ERROR (dB)
7.3 GHz	INTERCEPT (mV)	98															Measured Value (mV)
	SLOPE (mV/dB)	-1															Error (mV)
		-0.07															LINEARITY ERROR (dB)
8.7 GHz	INTERCEPT (mV)	100															Measured Value (mV)
	SLOPE (mV/dB)	1															Error (mV)
		0.14															LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	100															Measured Value (mV)
	SLOPE (mV/dB)	1															Error (mV)
		0.06															LINEARITY ERROR (dB)
11.3 GHz	INTERCEPT (mV)	105															Measured Value (mV)
	SLOPE (mV/dB)	2															Error (mV)
		0.18															LINEARITY ERROR (dB)
12.7 GHz	INTERCEPT (mV)	101															Measured Value (mV)
	SLOPE (mV/dB)	1															Error (mV)
		0.09															LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV)	105															Measured Value (mV)
	SLOPE (mV/dB)	-2															Error (mV)
		-0.24															LINEARITY ERROR (dB)
15.3 GHz	INTERCEPT (mV)	104															Measured Value (mV)
	SLOPE (mV/dB)	0															Error (mV)
		0.03															LINEARITY ERROR (dB)
16.7 GHz	INTERCEPT (mV)	99															Measured Value (mV)
	SLOPE (mV/dB)	6															Error (mV)
		0.64															LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	96															Measured Value (mV)
	SLOPE (mV/dB)	8															Error (mV)
		0.85															LINEARITY ERROR (dB)
Average Slope (mV)		10.0															
Flatness																	
Log Accuracy		± dB															

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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Log Slope, Linearity, and Accuracy (Graphs) @ 85°C

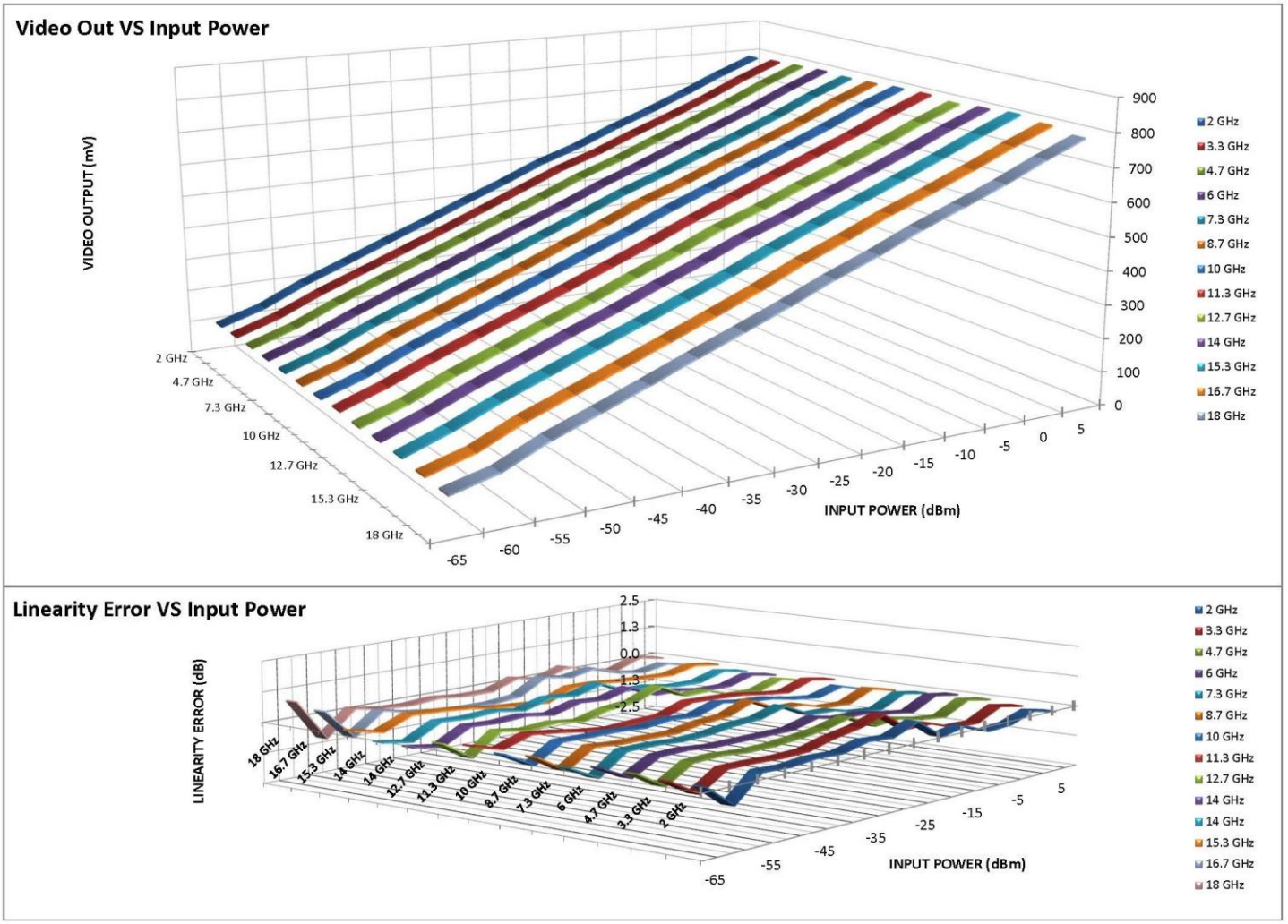


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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Log Slope, Linearity, and Frequency Flatness (3D- Graphs) @ 85°C

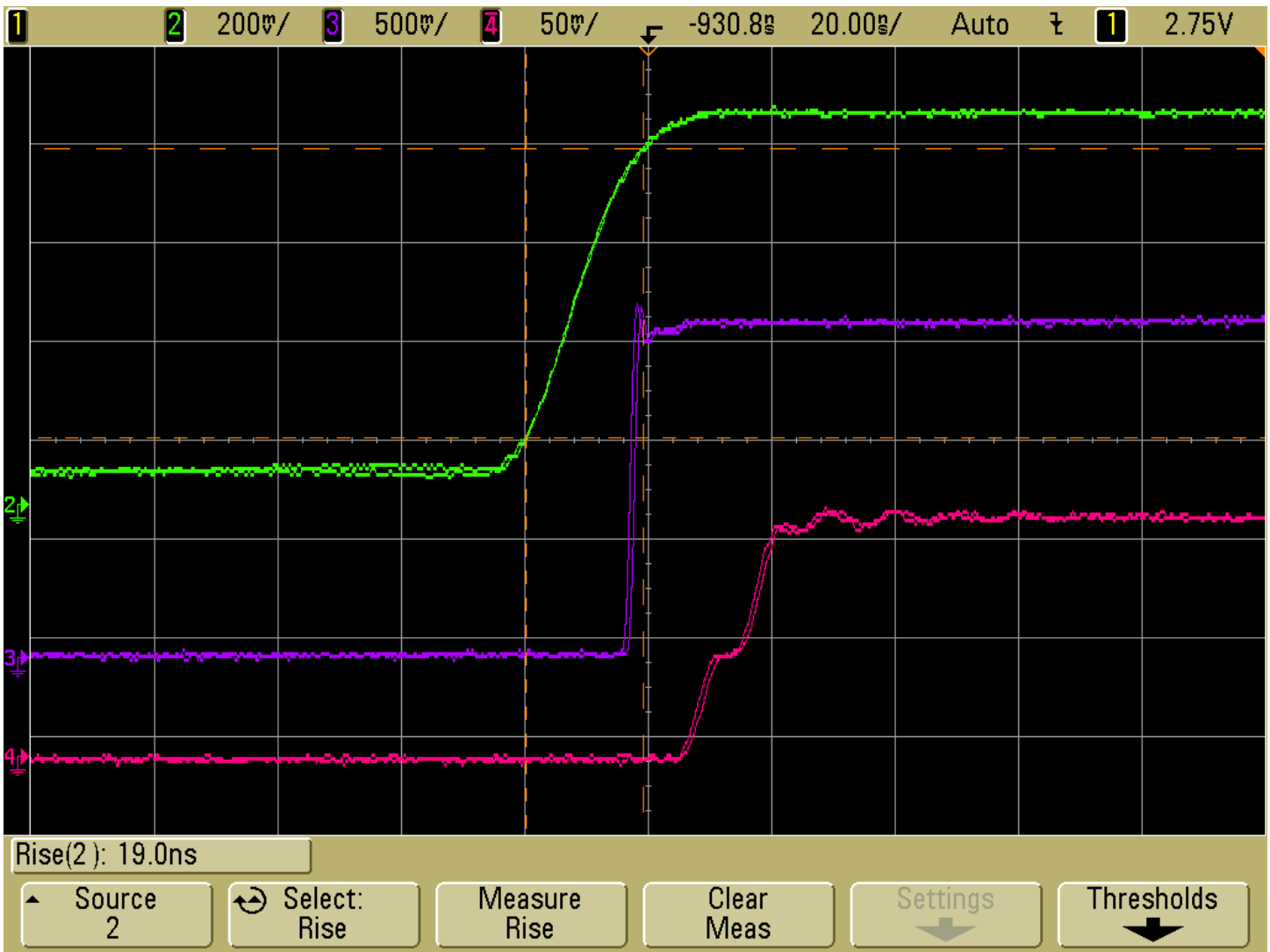


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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Rise Time, Comparator Delay and Switching Speed



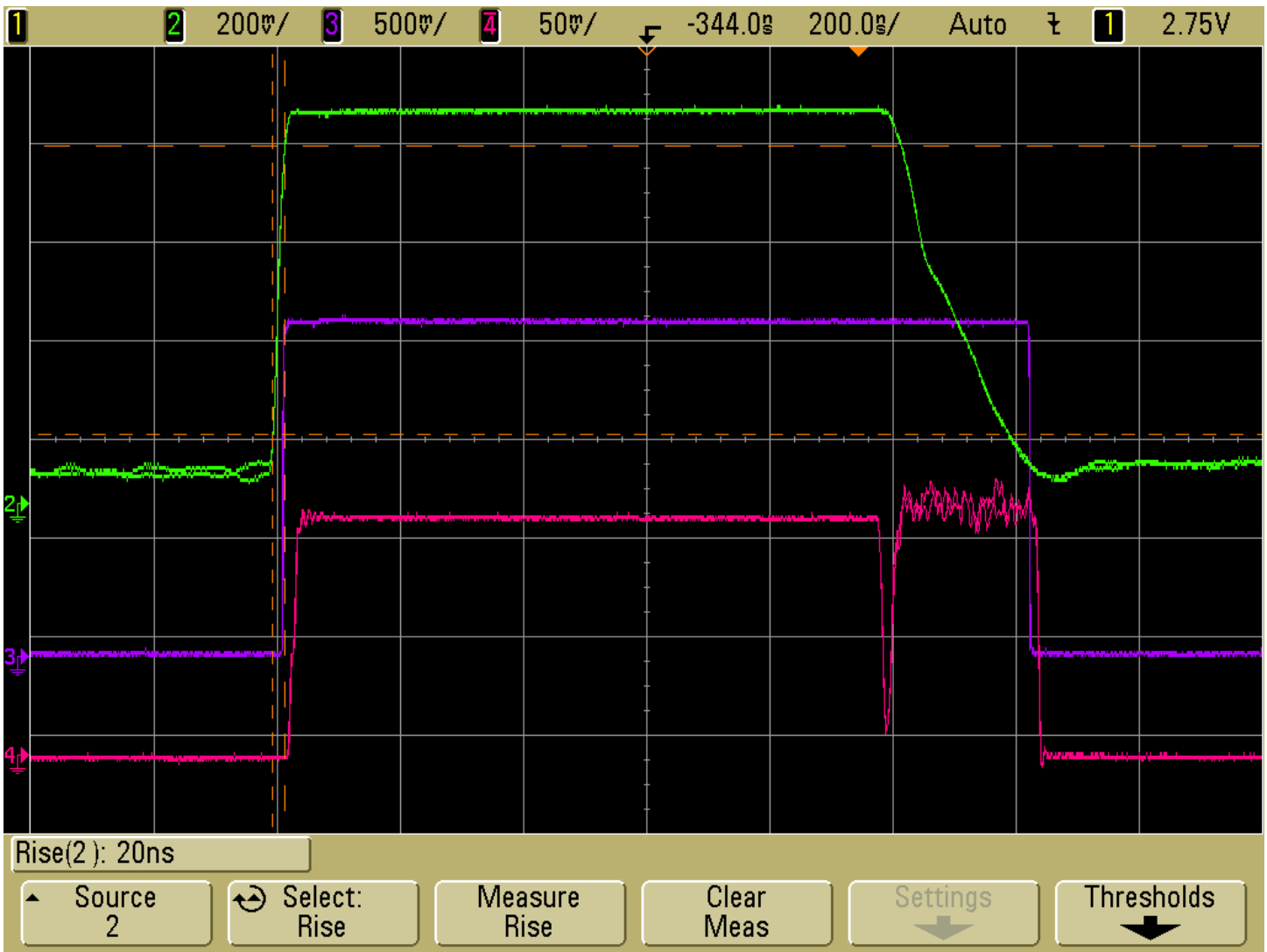
Green Trace(2): Video Signal (V1)  
Purple Trace(3): Video Comparator Signal (V0)  
Magenta Trace(4): RF Output Switching Speed Measured with a Tunnel Diode

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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Recovery Time, Comparator Delay and Switching Speed



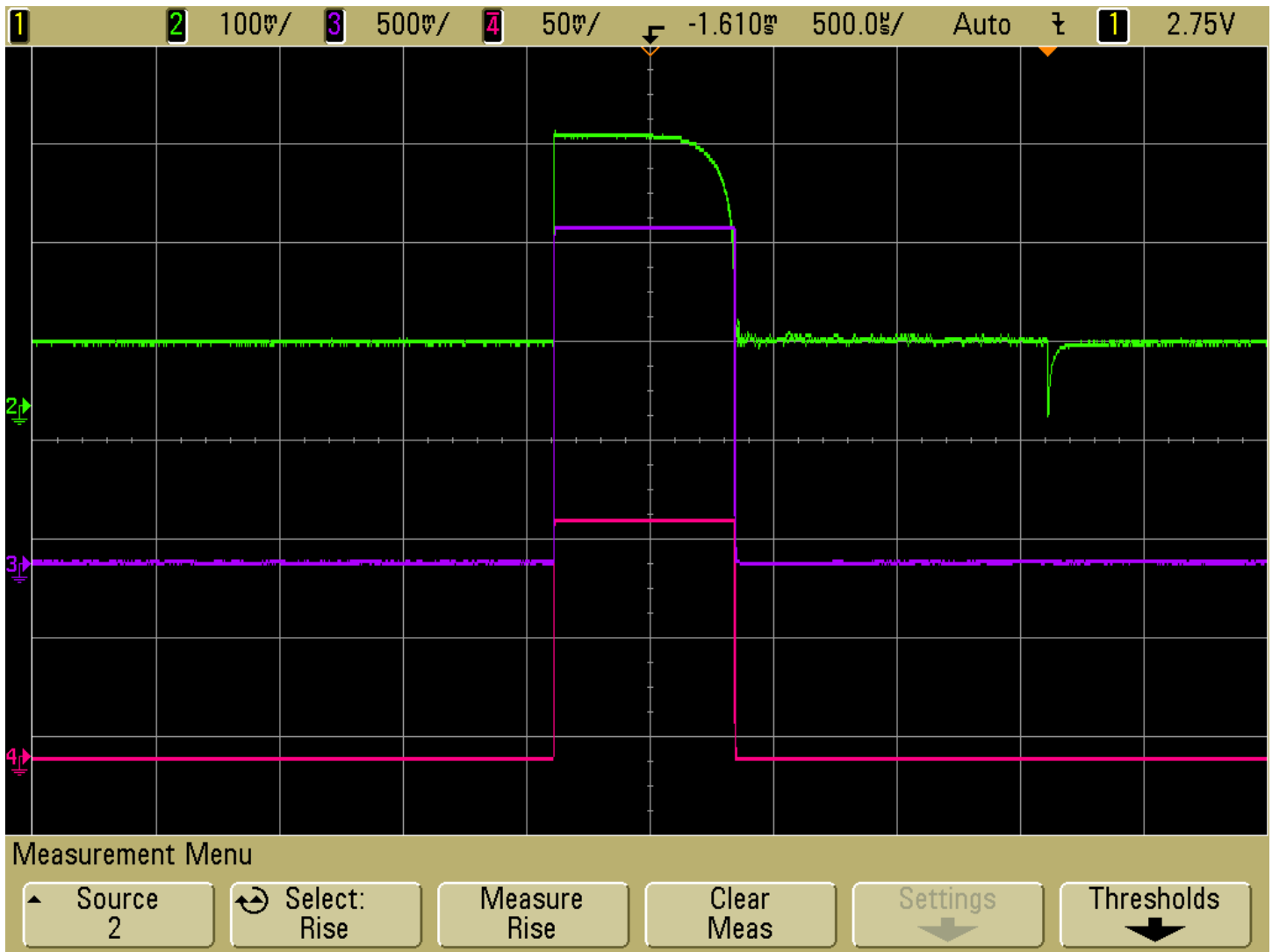
Green Trace(2): Video Signal (V1)  
Purple Trace(3): Video Comparator Signal (V0)  
Magenta Trace(4): RF Output Switching Speed Measured with a Tunnel Diode

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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Pulse Considered CW Time, CW Rejection Time and Droop



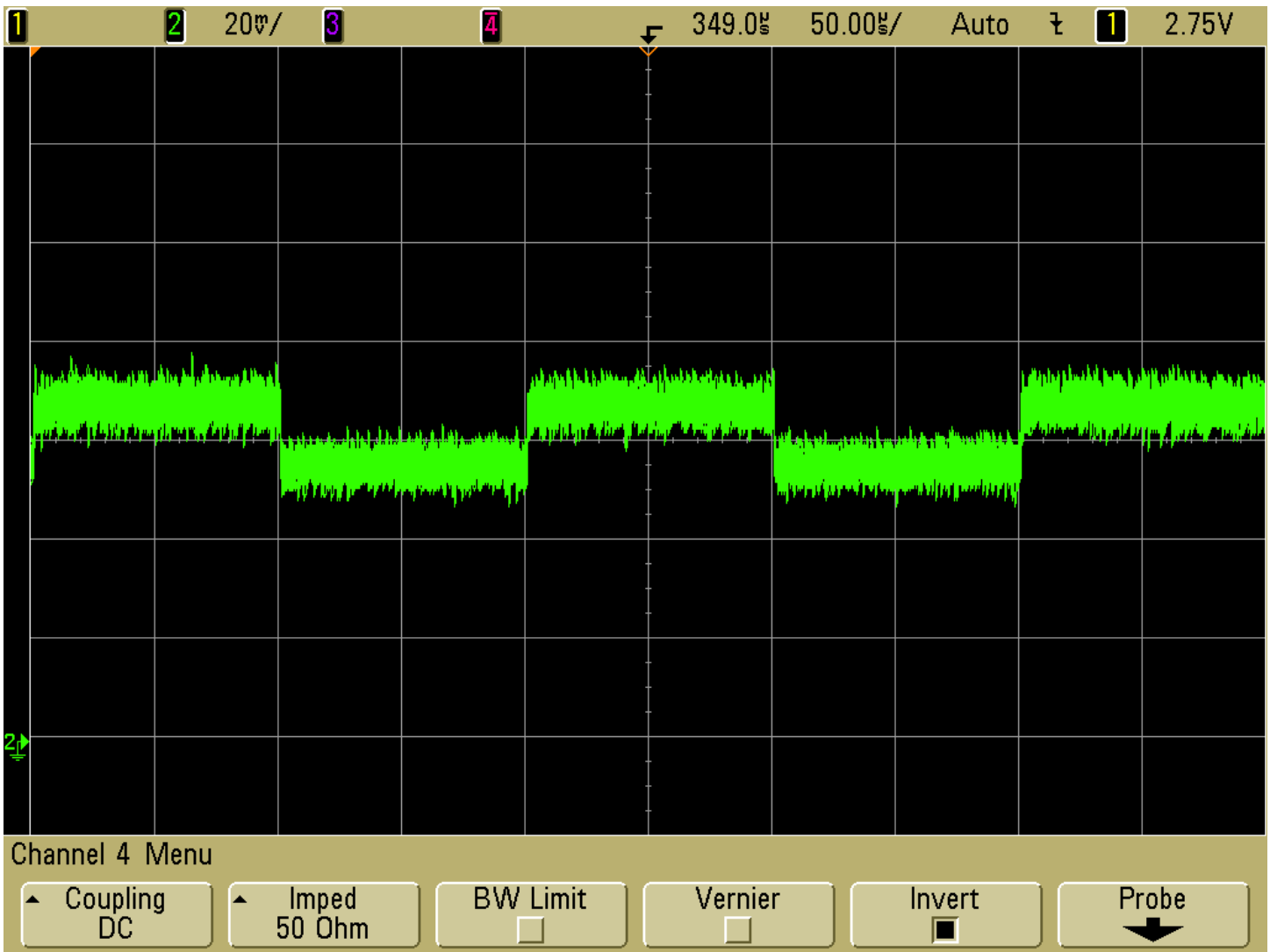
Green Trace(2): Video Signal (V1)  
Purple Trace(3): Video Comparator Signal (V0)  
Magenta Trace(4): RF Output Switching Speed Measured with a Tunnel Diode

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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Tangential Signal Sensitivity (TSS) @ -68 dBm



Green Trace(2):            Video Signal (V1)

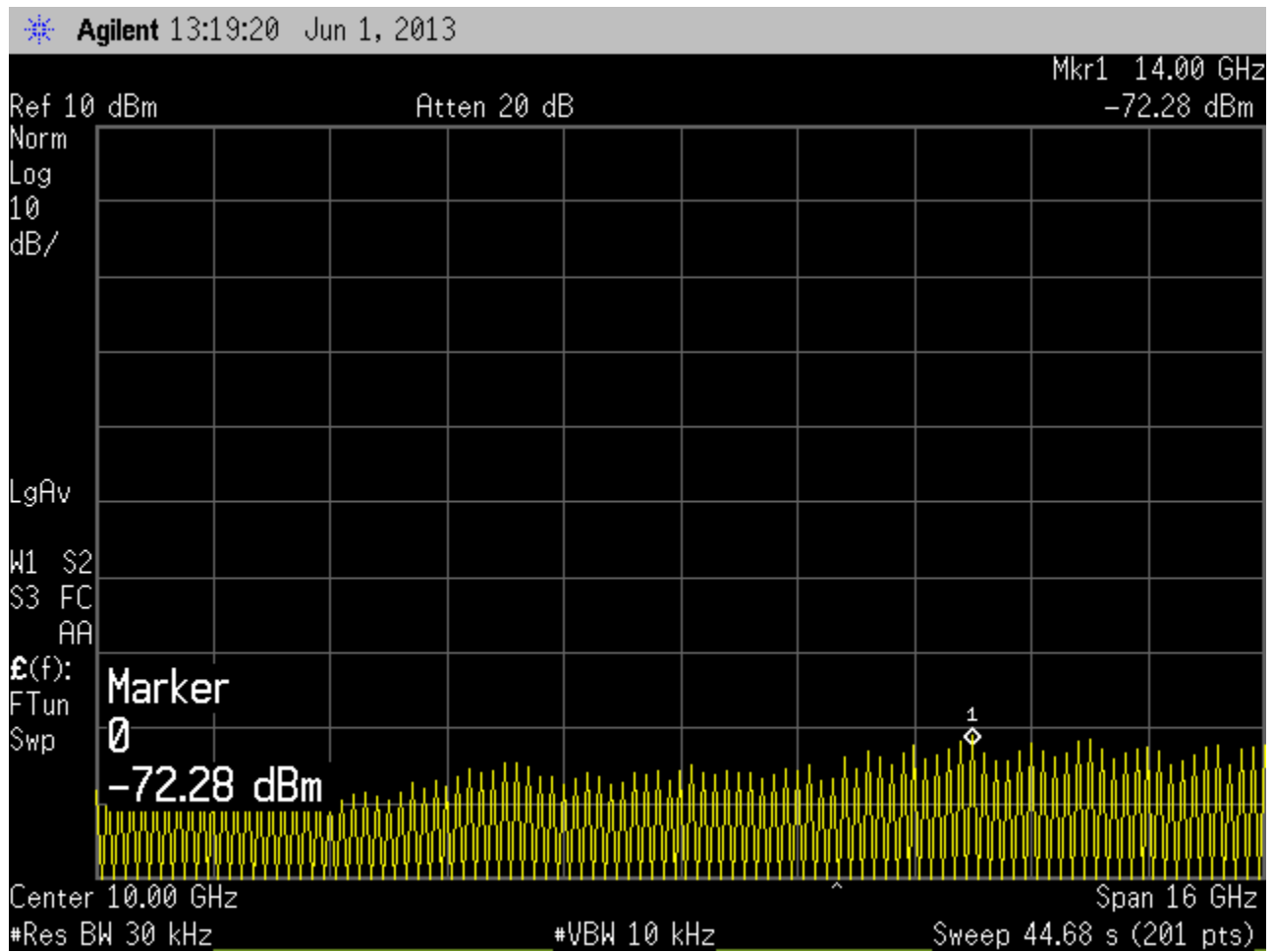
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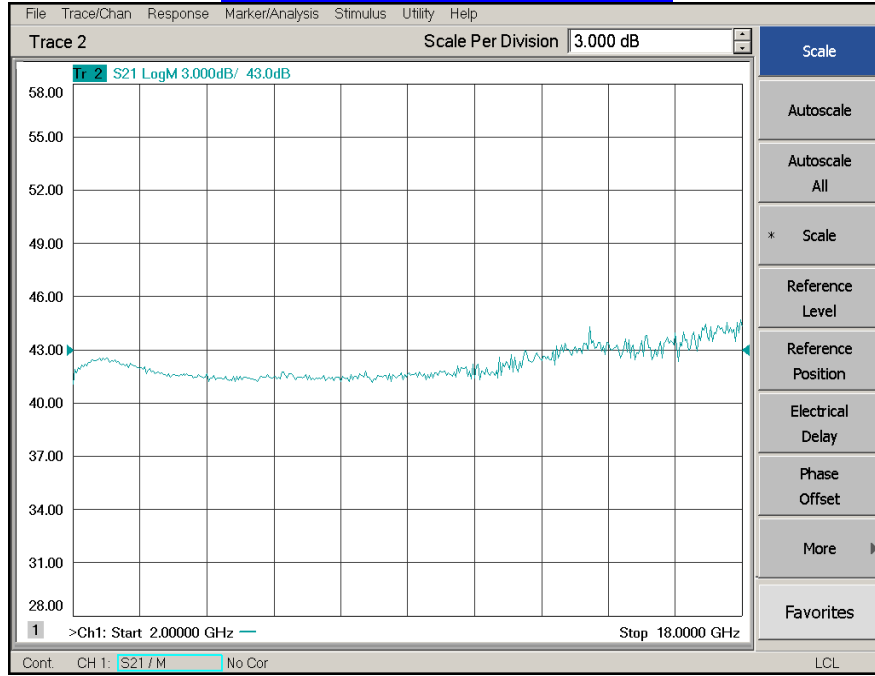
## RF Output Switch Isolation



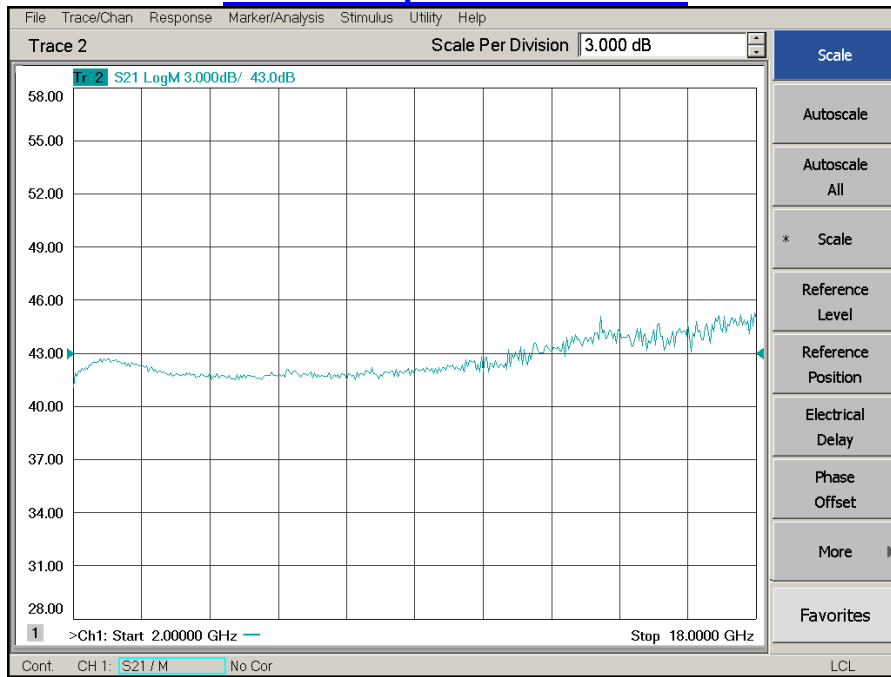


# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Linear Output Gain @ 25°C



## Linear Output Gain @ -40°C

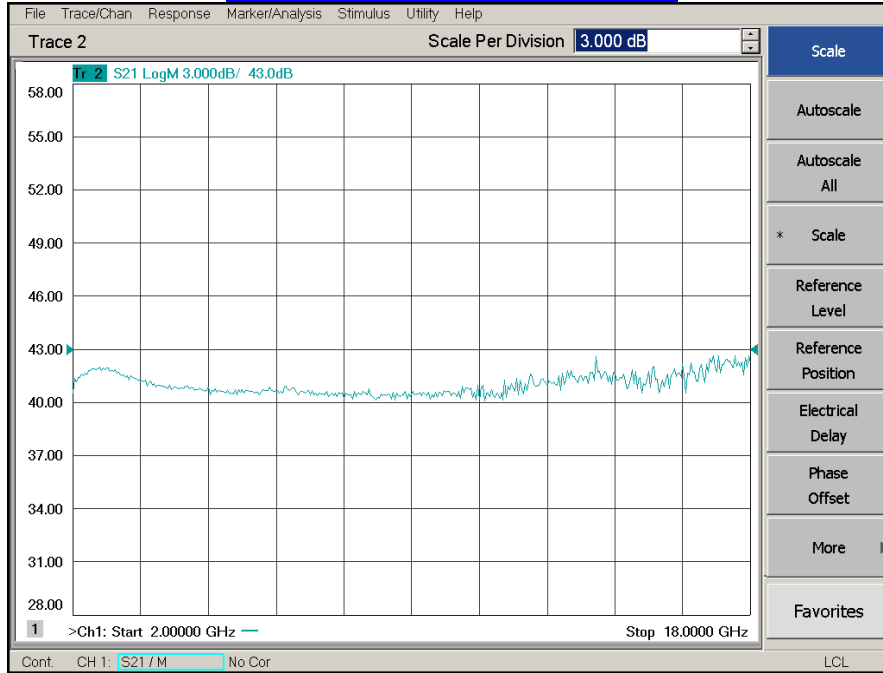


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Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)

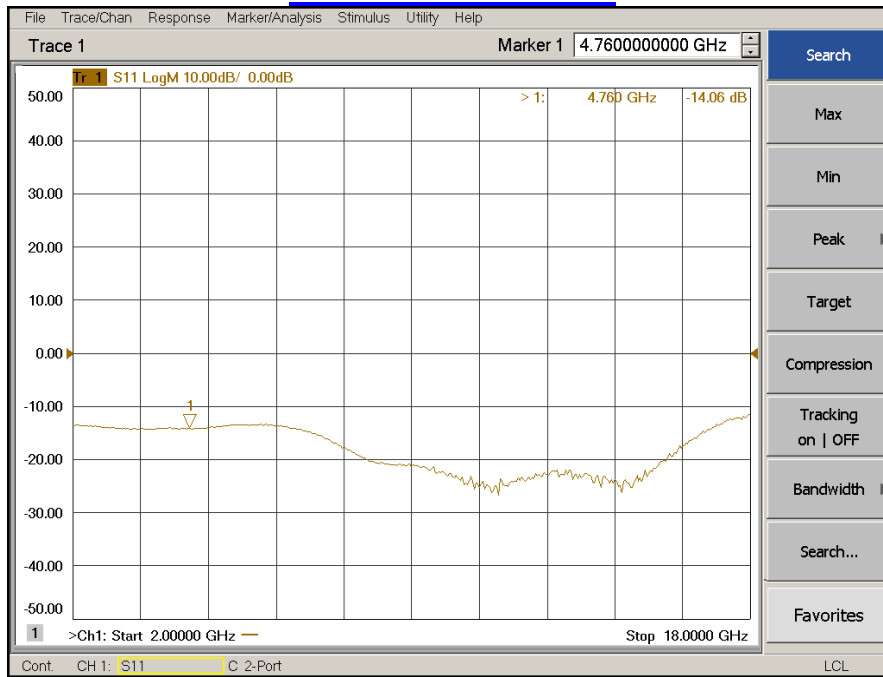


# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Linear Output Gain @ 85°C



## Return Loss @ 25°C

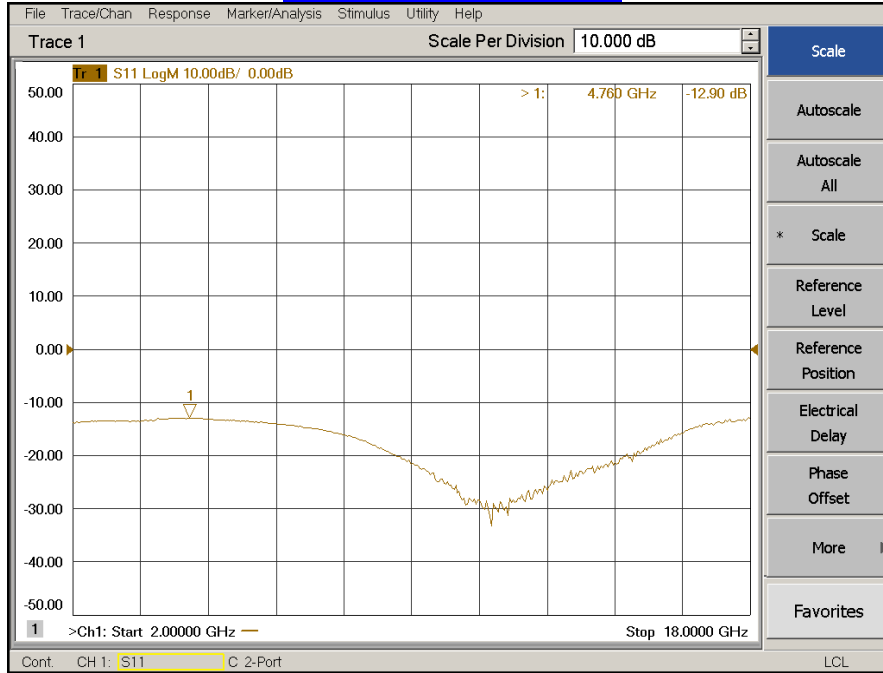


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Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)

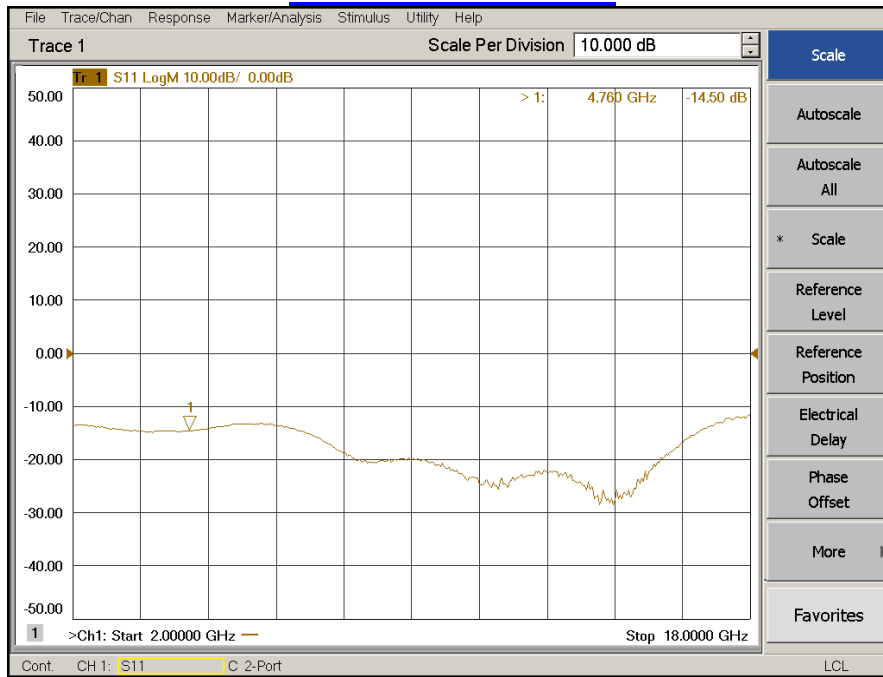


# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

## Return Loss @ -40°C



## Return Loss @ 85°C



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# Typical Characteristics for SDLVA-3G18G-CW-70-MAH

### DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: SDLVA-3G18G-CW-70-MAH IS A CW-MANUURE SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER OPERATING IN THE 2-18 GHz FREQUENCY BAND. IT FEATURES A SPST ON THE RF OUTPUT WHICH ALLOWS FOR THE RF TO BE BLANKED WHEN THE RF INPUT SIGNAL IS BELOW THE -64dBm THRESHOLD. IN ADDITION TO RF BLANKING, A 3.3V TTL-COMPATIBLE OUTPUT IS ALSO PROVIDED FOR TIME-GATING OR SAMPLING, TO ASSIST IN DIGITAL SYSTEM INTEGRATION.

### SPECIFICATIONS:

- FREQUENCY RANGE: 2-18 GHz
- FREQUENCY FLATNESS:  $\pm 2.0$  dB MAX.
- TSS: -68 dBm MIN, -70dBm TYP.
- LIMITED OUTPUT POWER: 6.5 dBm  $\pm 3.0$  dB MAX.
- VSWR: 2.0:1 MAX.
- LINEAR OUTPUT GAIN: 43 dB  $\pm 3.0$  dB MAX.
- LINEAR OUTPUT Pwr: 3 dBm  $\pm 3.0$  dB MAX.
- VO (VIDEO COMPARATOR SIGNAL AMPLITUDE): 3.3V TYP.
- VIDEO COMPARATOR DELAY: 50ns TYP.
- VIDEO COMPARATOR THRESHOLD LEVEL: -64dBm  $\pm 3.0$  dB MAX.
- VI (LOG VIDEO SIGNAL AMPLITUDE): 1 VOLT MAX.
- LOG SLOPE: 10mV/dB INTO A 50-ohm LOAD ( $\pm 1$ mV) MAX.
- LOG RANGE: -65 TO +5 dBm MIN.
- LOG LINEARITY:  $\pm 1.75$ dB (-40°C TO +85°C) MAX.
- PULSE RANGE: 100ns TO 250 us
- RISE TIME: 35ns MAX.
- SETTLING TIME TO  $\pm 1$ dB: 50ns TYP.
- RECOVERY TIME: 200ns MAX. (150ns TYP.)
- CW IMMUNITY RANGE: TSS TO -45 dBm (1dB DEGRADATION)
- PULSE CONSIDERED "CW": 1 ms TYP.
- REFLECTION TIME: 1 ns TYP.
- DROOP: 1dB MAX.
- SPST ISOLATION: 70 dB TYP.
- SPST SWITCH SPEED: 20ns TYP.
- POWER SUPPLY:  $\pm 12$  VDC TO  $\pm 15$  VDC.
- DIMENSIONS: 2.30" X 2.20" X 0.36"
- CONNECTORS: SMA FEMALE
- FINISH: GOLD PLATED

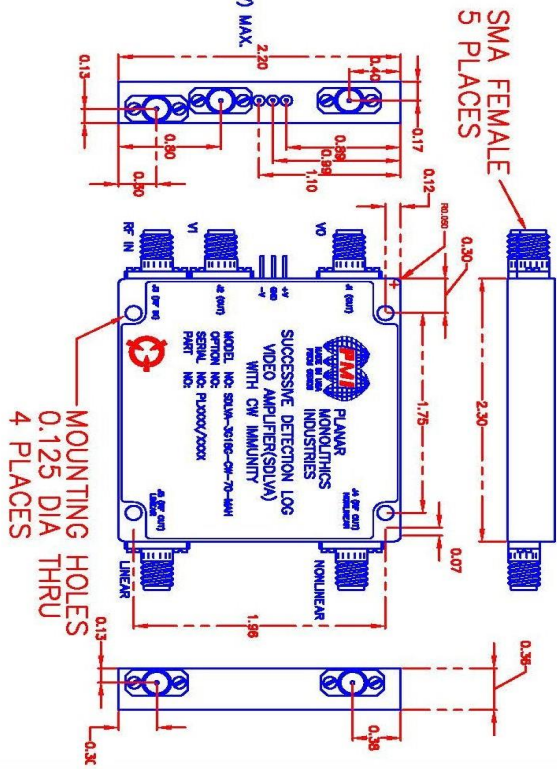
### ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +85°C (OPERATING)  
-54°C TO +100°C (STORAGE)
- HUMIDITY: MIL-STD-2026, METHOD 103B COND. B
- SHOCK: MIL-STD-2026, METHOD 213B COND. B
- VIBRATION: MIL-STD-2026, METHOD 2040 COND. B
- ALTITUDE: MIL-STD-2026, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-2026, METHOD 1070 COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.000  
X.001  
X.002

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	11/19/18	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



TITLE			
APPROVAL	DATE	SIZE	REV.
DESIGN	11/14/12	FROM NO. A	05X00
CHKD		DWG NO.	27017562
DRWN		SCALE	N:5
REV.		SHEET	1 OF 1

PRODUCT FEATURE  
SDLVA-3G18G-CW-70-MAH

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