



PLANAR MONOLITHICS INDUSTRIES  
7311-F GROVE ROAD, FREDERICK, MD 21704  
TEL: 301-631-1579 FAX: 301-662-2029  
URL: WWW.PLANARMONOLITHICS.COM  
EMAIL: SALES@PLANARMONOLITHICS.COM

## SUMMARY TEST DATA ON SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER (SDLVA)

Customer: \_\_\_\_\_  
Model No: SDLVA-2020-70  
Option No: 0518, A03, A07-50OHM, MS  
Serial No: PL7688

Job No: 10-079-P  
Tested By: B. Baker  
Temperature: +25 °C  
Date: 07/02/10

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Input VSWR (0.5 - 18 GHz)	3.0:1 (Max.)	2.6:1	
2	Typical Video Output @ -65 to +5 dBm from 0.5 to 18 GHz	Not Specified	.08 to 1.47 Volts See Data	
3	LOG Slope (±10% TOL)	20 mV/dB	19.2 mV/dB To 20.4 mV/dB	
4	LOG Linearity @ -65 dBm TO +5 dBm	±1.75 dB (Max.)	± 1.6 dB	
5	Frequency Flatness (0.5 - 18 GHz)	±2.5 dB (Max.)	± 1.0 dB	
6	Recovery Time (Max.) -65 to +5 dBm	250 nS	250 nS	
7	TSS (0.5 - 18 GHz)	-65 dBm (Max.)	-65 dBm	
8	Rise Time (10% TO 90%Points)	20 nS (Max.)	15 nS	
9	Limited RF Output	+10 dBm (Min.)	+12 dBm Typical-See Data	
10	DC Power @ +15 V No RF Input	600 mA (Max.)	530 mA	
11	DC Power @ -15 V	200 mA (Max.)	90 mA	

QA / QC APPROVAL: \_\_\_\_\_

DATED: \_\_\_\_\_