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

CUSTOMER: _____ **JOB NO:** _____
MODEL NO: SDLVA-2020-70 **TESTED BY:** B. BAKER
OPTION NO: 0518, A03, A07-50OHM **TEMPERATURE:** +25 °C
SERIAL NO: _____ **DATE:** 5/24/2012

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE	0.5GHz - 18GHz	Pass 0.5GHz - 18GHz	
2	FREQUENCY FLATNESS (0.5 - 18 GHz)	±2.0 dB (TYP)	Pass	
3	TSS (8 - 18 GHz)	-65 dBm (MIN)	Pass	
4	VSWR (0.5 - 18 GHz @-20 dBm)	3.0:1	Pass	
5	LOGGING RANGE	-65 dBm to +5 dBm	Pass	
6	LOG LINEARITY -65 dBm To +5 dBm	±1.75 dB (MAX)	Pass	
7	LOG SLOPE (±10% TOLERANCE)	20 mV/dB	Pass	
8	LOG TEMPERATURE STABILITY	±1.75 dB (0°C to 60°C)	Pass	
9	RISE TIME	20 ns (MAX)	Pass See Typical Characteristics	
10	RECOVERY TIME (MAX) (-65 dBm To +5 dBm)	200 ns (MAX)	Pass See Typical Characteristics	
11	OUTPUT POWER	+10 dBm ±2.5 dB (TYP)	Pass	
12	OUTPUT VIDEO LOAD	50 Ω ± 10% OR AS DESIRED	Pass	
13	POWER SUPPLY @ +12 V	600 mA (MAX)	Pass	
14	POWER SUPPLY @ -12 V	200 mA (MAX)	Pass	

QA / QC APPROVAL: _____

DATED: _____

Return Loss

