



Planar Monolithics Industries, Inc.
 7311-F Grove Rd.
 Frederick, MD 21704
 Ph: (301) 662-5019 Fax: (301) 662-1731
www.pmi-rf.com

**SUMMARY TEST DATA
 ON
 DETECTION LOG VIDEO AMPLIFIER**

CUSTOMER: _____
MODEL NO: SDLVA-1G2G-65-SFF
PART NO: _____
SERIAL NO: PL7092

JOB NO: _____
TESTED BY: B. Baker
TEMPERATURE: -54°C TO +95°C
DATE: 03/19/10

| TEST ITEM NO: | PARAMETERS | SPECIFIED VALUE | MEASURED VALUE | REMARKS QA/QC |
|---------------|---|--|---------------------------------|---------------|
| 1 | FREQUENCY RANGE | 1.0 GHz TO 2.0 GHz | 1.0 GHz TO 2.0 GHz | |
| 2 | VSWR | 2.0 : 1 MAX | 1.92 : 1 | |
| 3 | INPUT LOGGING RANGE | -60 dBm TO +5 dBm | PASS | |
| 4 | LOG VIDEO SLOPE | 21 mV / dB (NOM) | 21.1 TO 21.3 Mv/dB | |
| 5 | RISE TIME (10 – 90%) | 20 nS MAX | 17 nSec | |
| 6 | FALL TIME (90 – 10%) | 100 nS MAX | 80 nSec | |
| 7 | SETTLING TIME (WITHIN ± 0.5 dB FINAL VALUE) | 30 nS MAX | PASS | |
| 8 | OUTPUT OVERSHOOT | 1.0 dB MAX | < 1 dB | |
| 9 | TSS | -65 dBm (MIN) | -65 dBm | |
| 10 | MAX INPUT POWER | +20 dBm MAX | PASS | |
| 11 | POWER SUPPLY | +5 VDC @ 100 mA MAX -5 VDC @ 130 mA MAX | +5 VDC @ 39 mA -5 VDC @ 6 mA | |

TESTED ON: Agilent E8257D Signal Generator, Agilent DSO6034A Oscilloscope, HP E3631A Power Supply,
 HP 8720ES Network Analyzer

QA/QC APPROVAL: _____ **DATED:** _____