



**SUMMARY TEST DATA  
ON  
SDLVA-2G18G-50MV-100-NRF**

PL60850/2626

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: **SDLVA-2G18G-50MV-100-NRF**  
Serial No: **PL60850/2626**

Tested By: **RCombs**  
Temperature: **+25° C**  
Date: **6/24/2026**  
Drawing No: **27623906** Rev: **A1**

| TEST<br>ITEM NO. | PARAMETERS                   | SPECIFIED VALUE       | TEST RESULTS |        |        |           | QA<br>QC<br>QA5 |
|------------------|------------------------------|-----------------------|--------------|--------|--------|-----------|-----------------|
|                  |                              |                       | 65°C         | 25°C   | -30°C  | Pass/Fail |                 |
| 1                | Frequency lower              | 2GHz                  | 2            | 2      | 2      | PASS      |                 |
|                  | Frequency upper              | 18GHz                 | 18           | 18     | 18     | PASS      |                 |
| 2                | Frequency Flatness max       | ±2dB                  | 1.19         | 1.56   | 1.69   | PASS      |                 |
| 3                | Input Return Loss 50Ω system | Manual plot           |              | ✓      |        | PASS      |                 |
| 4                | TSS:                         | -69 dBm Minimum       | -72.6        | -72.6  | -73.5  | PASS      |                 |
| 5                | VSWR:                        | 2.0:1 (Input)         |              |        |        |           |                 |
| 6                | Power Input:                 | +17 dBm CW Maximum    |              |        |        |           |                 |
| 7                | Logging range Top            | 5dBm                  | 5            | 5      | 5      | PASS      |                 |
|                  | Logging range Bottom         | -67dBm                | -67          | -67    | -67    | PASS      |                 |
| 8                | Log slope Max                | 51.5 mV/dB            | 50.7         | 51.2   | 51.4   | PASS      |                 |
|                  | Log slope Min                | 48.5 mV/dB            | 48.8         | 48.5   | 49.2   | PASS      |                 |
| 9                | Min step slope               | > 20 mV/dB            | PASS         | PASS   | PASS   | PASS      |                 |
| 10               | Log Linearity max*           | ±1.35 dB (±1dB AMB)   | 0.70         | 0.75   | 1.16   | PASS      |                 |
| 11               | Output load                  | 100Ω                  | ✓            | ✓      | ✓      |           |                 |
| 12               | Log Offset:                  | ±100mV                | 0.022        | -0.060 | -0.049 | PASS      |                 |
| 13               | Pulse Range:                 | 30 ns to CW           | ✓            | ✓      | ✓      | PASS      |                 |
| 14               | Recovery Time:               | 60 ns Typical         |              | ✓      |        | PASS      |                 |
| 15               | Rise Time:                   | 10 ns (6 ns Typical)  |              | ✓      |        | PASS      |                 |
| 16               | Fall Time:                   | 40 ns Typical         |              | ✓      |        | PASS      |                 |
| 17               | DC Supply:                   | +15V or +12V @ 350 mA | 263          | 250    | 227    | PASS      | PMI<br>QA5      |
|                  |                              | -15V or -12V @ 180 mA | 107          | 101    | 90     | PASS      |                 |
| 18               | Avg -67                      | 200±100mV             | 0.216        | 0.209  | 0.203  | PASS      |                 |
|                  | Avg +5                       | 3800±100mV            | 3.781        | 3.809  | 3.829  | PASS      |                 |

\*Log reference line calculated with TS average for each Frequency misurated

QA/QC Approval:

Date: **7/31/26**

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)