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

PL59585/2618

Customer: [redacted]
SO No: [redacted]
Model No: SDLVA-2G18G-50MV-100-NRF
Serial No: PL59585/2618

Tested By: RCombs
Temperature: +25° C
Date: 4/30/2026
Drawing No: 27623906 **Rev:** A1

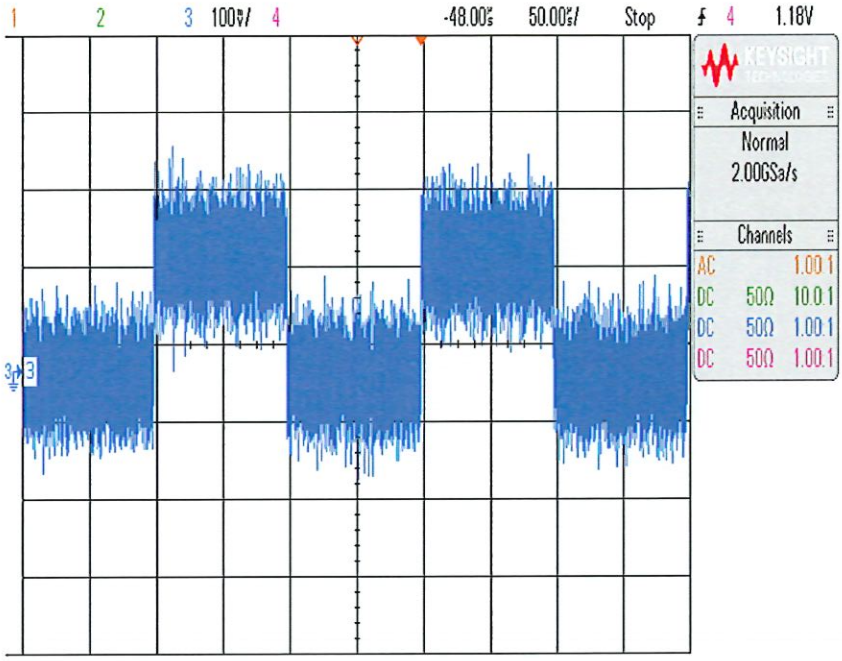
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS 65°C	25°C	-30°C	Pass/Fail	QA QC
1	Frequency lower	2GHz	2	2	2	PASS	PMI
	Frequency upper	18GHz	18	18	18	PASS	QA6
2	Frequency Flatness max	±2dB	0.91	1.46	1.50	PASS	
3	Input Return Loss 50Ω system	Manual plot		✔		PASS	
4	TSS:	-69 dBm Minimum	-72.4	-72.5	-74.5	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	51.4	51.1	50.8	PASS	
	Log slope Min	48.5 mV/dB	49.5	49	48.7	PASS	
9	Min step slope	> 20 mV/dB	PASS	PASS	PASS	PASS	
10	Log Linearity max*	±1.35 dB (±1dB AMB)	1.01	0.94	1.27	PASS	
11	Output load	100Ω	✔	✔	✔		
12	Log Offset:	±100mV	0.004	-0.015	-0.037	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	264	251	224	PASS	
		'-15V or -12V @ 180 mA	105	98	86	PASS	
18	Avg -67	200±100mV	0.188	0.228	0.186	PASS	PMI
	Avg +5	3800±100mV	3.784	3.827	3.796	PASS	QA6

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

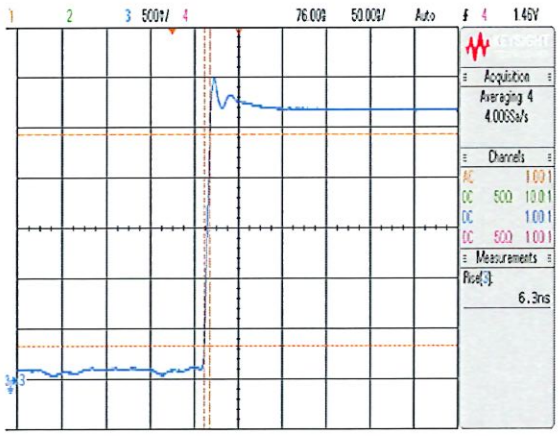
QA/QC Approval: Anthony Kradly PMI QA6 **Date:** 5/4/26

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

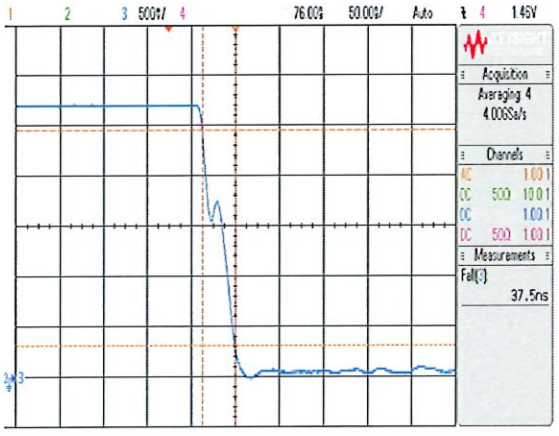
TSS



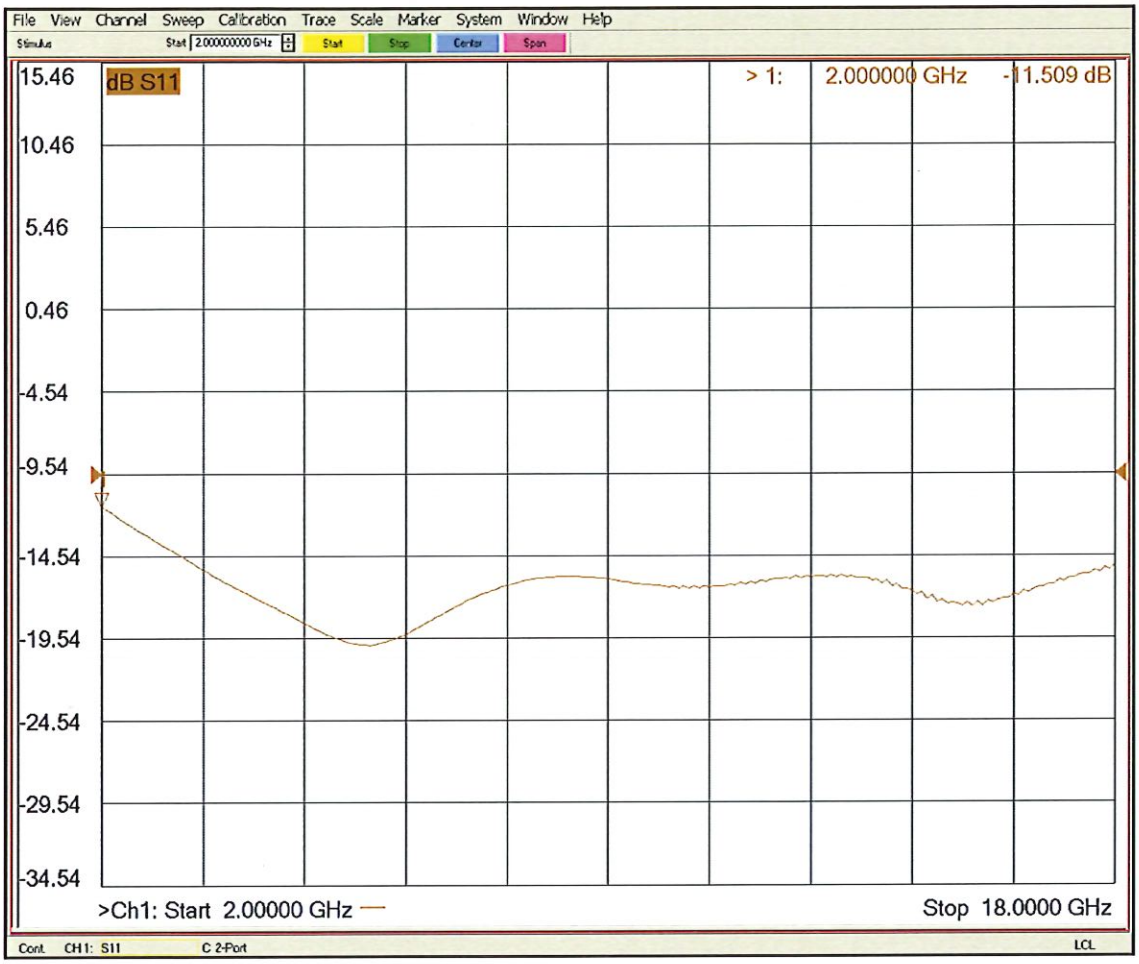
Rise Time



Fall Time



VSWR


File View Channel Sweep Calibration Trace Scale Marker System Window Help
Stimulus
Start 2.000000000 GHz
Start
Stop
Center
Span
15.46
dB S11
> 1:
2.000000 GHz
-11.509 dB
10.46
5.46
0.46
-4.54
-9.54
-14.54
-19.54
-24.54
-29.54
-34.54
>Ch1: Start 2.00000 GHz
Stop 18.0000 GHz
Cont
CH1: S11
C 2-Port
LCL