



Tested By:	DA
Temperature:	+25°C
Date:	01/21/25
Drawing No:	27637200

QA/QC Approval: K. Klauwage Date: 1-22-25

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SUMMARY TEST DATA ON SDLVA-18G40G-65-CD-292FF- OPHS

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph #1

Log Transfer vs Frequency @+25C

MODEL: SDLVA-18G40G-65-CD-292FF-OTPHS SERIAL NO: PL50080 DATE: 01/21/25 TESTED BY: DA Test Temp: +25C																 PLANAR MONOLITHICS INDUSTRIES 4921 Robert J. Mathews Parkway Suit 1 El Dorado Hills, CA 95762 TEL: 916-542-1401 FAX: 916-265-2597 EMAIL: SALES@PMI-RF.COM															
GRAPH #1																															
Frequency																RF Input Power (dBm)															
18 GHz																															
INTERCEPT (mV) 1760																Measured Value (mV)															
SLOPE (mV/dB) 25.4																Error (mV) MAX MIN															
																LINEARITY ERROR (dB) 1.01 -0.61															
23.5 GHz																															
INTERCEPT (mV) 1764																Measured Value (mV)															
SLOPE (mV/dB) 25.2																Error (mV) MAX MIN															
																LINEARITY ERROR (dB) 0.53 -0.37															
29 GHz																															
INTERCEPT (mV) 1728																Measured Value (mV)															
SLOPE (mV/dB) 25.1																Error (mV) MAX MIN															
																LINEARITY ERROR (dB) 0.66 -0.38															
34.5 GHz																															
INTERCEPT (mV) 1699																Measured Value (mV)															
SLOPE (mV/dB) 23.8																Error (mV) MAX MIN															
																LINEARITY ERROR (dB) 0.71 -0.80															
40 GHz																															
INTERCEPT (mV) 1725																Measured Value (mV)															
SLOPE (mV/dB) 24																Error (mV) MAX MIN															
																LINEARITY ERROR (dB) 1.51 -0.99															
Flatness +/- dB																1.10 1.10 1.20 1.60 0.90 0.90 0.90 0.90 0.80 1.00 1.10 1.20 1.30 1.30															
Max Video Output Volts																0.19 0.32 0.46 0.61 0.71 0.82 0.94 1.07 1.18 1.32 1.44 1.56 1.69 1.82															
Min Video Output Volts																0.13 0.27 0.40 0.53 0.66 0.77 0.90 1.02 1.14 1.27 1.38 1.50 1.63 1.75															
Nominal Log Slope mV/dB																24.7															
Log Slope Variation: ± mV/dB																0.80															
Video Output @ -63dBm																															
Min(V)= 134.0																65															
Max(V)= 190.0																280															
Video Output @ +22dBm																															
Min(V)= 1750.0																1476															
Max(V)= 1816.0																1940															

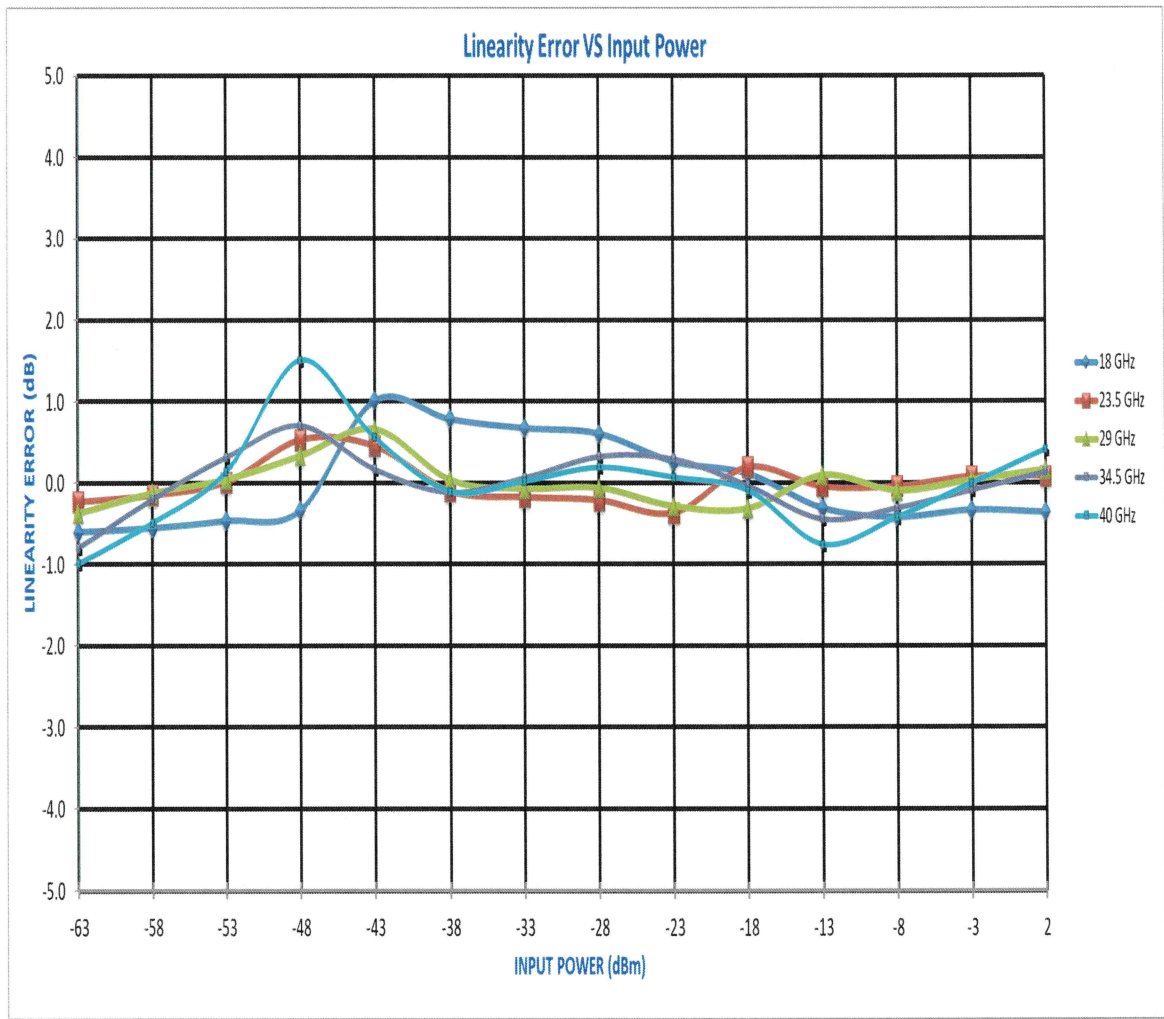


**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph #1 (cont.)

Log Transfer vs Frequency @+25C





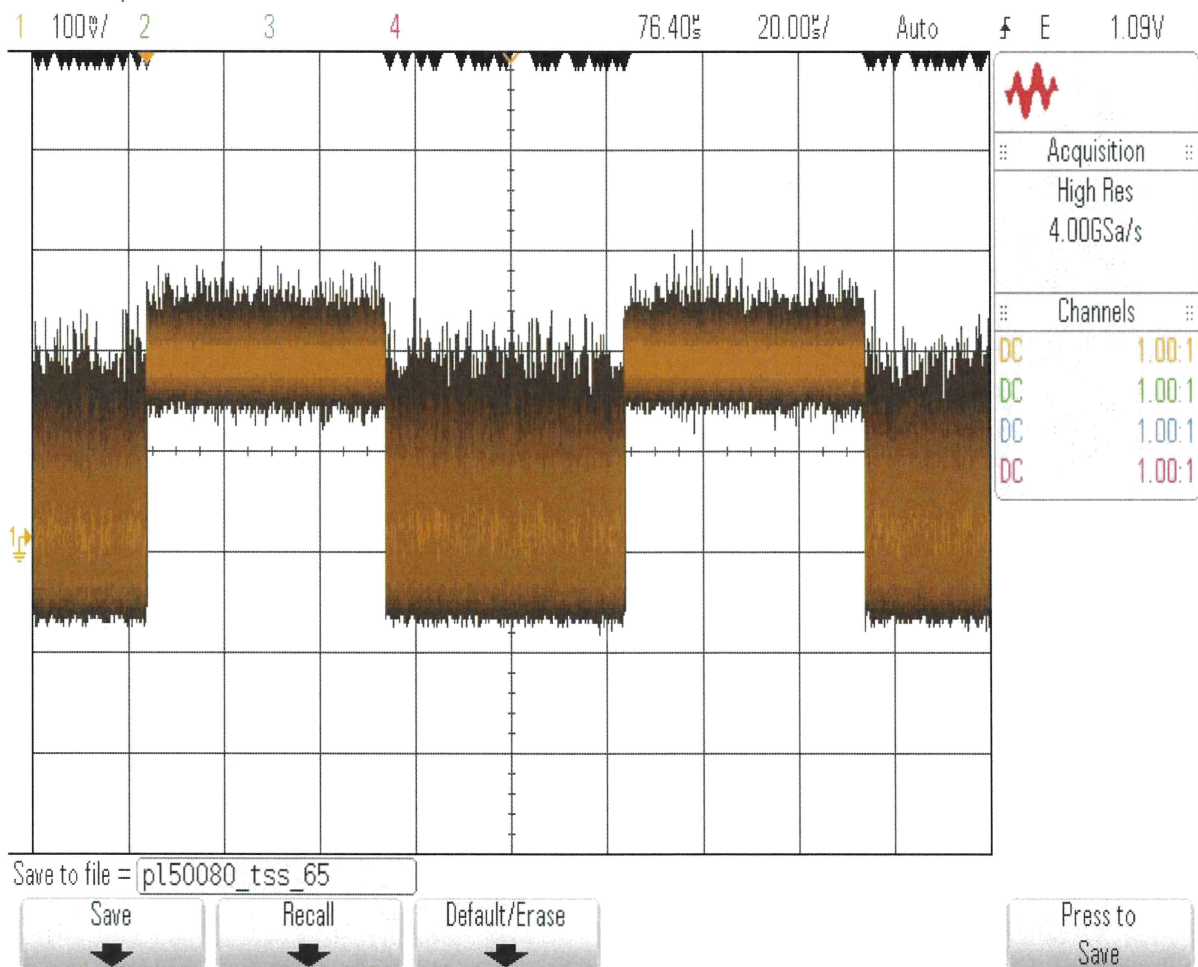
**SUMMARY TEST DATA
ON
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OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph #2

TSS-65dBm @+25C

MSO-X 3054A, MY53400180: Mon Jan 20 12:33:58 2025





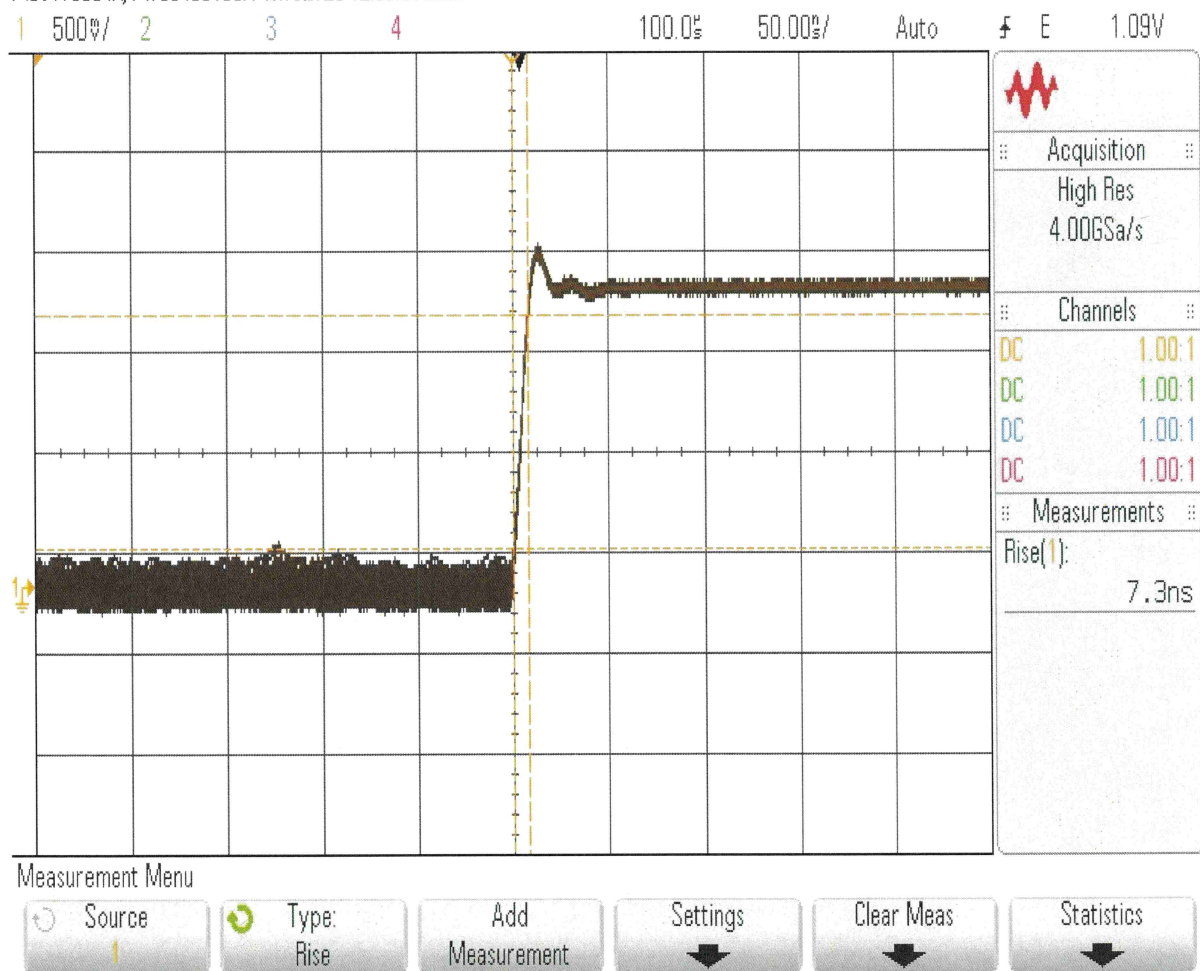
**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph#3

Rise Time 7.3ns @+25C & +2dBm

MSO-X 3054A, MY53400180: Mon Jan 20 12:35:23 2025





**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph#4

Fall Time 26.8ns @+25C & +2dBm

MSO-X 3054A, MY53400180: Mon Jan 20 12:36:16 2025





**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number:PL49578

Graph #5

VSWR 2.16:1 @+25C & -20dBm

