



**Tested By: Jim Hopson**

**Temperature: 0°C TO +85°C**

**Date 7/18/2024**

**Drawing No: 27637972**

Rev: A1

7311-F Grove Road Frederick, MD 21704 USA  
Phone: (301)662-5019 Fax: (301)662-1731  
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**Summary Data  
For  
EWDM-6G18G-65-70MV-1**

|    |                                   |                                              |                           |            |
|----|-----------------------------------|----------------------------------------------|---------------------------|------------|
| 13 | SW Linear Gain                    | +7 dB MIN, 15 dB MAX                         | 11.6 dB MIN / 13.5 dB MAX | PMI<br>QA3 |
| 14 | SW Frequency Flatness:            | ±1.5 dB MAX                                  | ±1 dB                     |            |
| 15 | SW 1 dB Compression Point:        | +3 dBm MIN                                   | 4.6 dBm                   |            |
| 16 | SW Saturated Power:               | +9 dBm MAX                                   | 5.9 dBm                   |            |
| 17 | SW Second Harmonic:               | -9 dBc MIN                                   | -30.83 dBc                |            |
| 18 | SW Third Harmonic:                | -12 dBc MIN                                  | -49.33 dBc                |            |
| 19 | VIDEO OUT TSS:                    | -71 dBm MAX                                  | -71 dBm                   |            |
| 20 | VIDEO OUT Dynamic Range:          | -65 to 0 dBm                                 | -65 to 0 dBm              |            |
| 21 | VIDEO OUT Log Slope Fixed:        | 70 ± 3mV/dB                                  | 71 mV/dB                  |            |
| 22 | VIDEO OUT Log Linearity:          | ±1.0 dB MAX @12 GHZ                          | +0.3 / -0.4 dB            |            |
| 23 | VIDEO OUT Log Accuracy:           | ±2.0 dB MAX                                  | +1.28 / -1.21 dB          |            |
| 24 | VIDEO OUT Absolute Log Accuracy:  | ±2.25 dB MAX                                 | +1.96 / -1.98 dB          |            |
| 25 | VIDEO OUT DC Offset:              | 0 ±70 mV (RF Input Terminated & DC Power On) | -2 mV                     |            |
| 26 | VIDEO OUT Rise Time (10% to 90%): | 25 ns TYP 28 ns MAX                          | 26.8 ns                   |            |
| 27 | VIDEO OUT Fall Time (90% to 10%): | 300 ns MAX                                   | 183.1 ns                  |            |
| 28 | VIDEO OUT Settling Time:          | 50 ns With in ±70 mV of final value, MAX     | 40 ns typ                 |            |

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**Summary Data**  
**For**  
**EWDM-6G18G-65-70MV-1**

|    |                                                                 |                                                                                                                        |                  |         |
|----|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------|---------|
| 29 | VIDEO OUT Recovery Time:                                        | 0.5 us MAX to within 1 dB of baseline                                                                                  | < 0.5 us         | PMI QA3 |
| 30 | VIDEO OUT Video Frequency Flatness:                             | ±1.75 dB MAX                                                                                                           | ±0.98 dB         |         |
| 31 | VIDEO OUT CW Immunity:                                          | A. CW Immune Power TSS to -40 dBm Baseline Shift: 200 mV MAX                                                           | 125 mV TYP       |         |
|    |                                                                 | B. Pulse Peak Amplitude Loss; 2 dB MAX                                                                                 | 1.7 dB TYP       |         |
|    |                                                                 | CW Immunity Time at CW = -40 dBm, ≤ 3 ms                                                                               | 1.4ms            |         |
|    |                                                                 | CW Recovery Time at CW = -40 dBm, ≤ 50 us                                                                              | 40 us TYP        |         |
| 32 | VIDEO OUT Pulse Response, input Signal:                         | 100 ns to 300 us                                                                                                       | 100 ns to 300 us |         |
| 33 | VIDEO OUT Impedance:                                            | 75 ±1 Ω                                                                                                                | 75 Ω             |         |
| 34 | VIDEO driver capability                                         | 150 ft RG11 into 75 ohm load                                                                                           | PASS             |         |
| 35 | Pulse density capability                                        | 10% duty cycle 100 ns, 70% duty cycle 300 us at peak power -10 dBm with 1 dB variable for pulse amplitude and baseline | PASS             |         |
| 36 | VIDEO OUT Noise Level (Vp-p):                                   | 160 mV TYP                                                                                                             | 140mV TYP        |         |
| 37 | Droop of the Output Video Pulse: @ -65 dBm & 300 us pulse width | 70mV (1 dB) MAX                                                                                                        | 45 mV TYP        |         |



**Summary Data**  
**For**  
**EWDM-6G18G-65-70MV-1**

|    |                                          |                                           |                                  |            |
|----|------------------------------------------|-------------------------------------------|----------------------------------|------------|
| 38 | VIDEO OUT<br>Propagation Delay:          | 50 ns MAX (excluding cable)               | 33 ns                            | PMI<br>QA3 |
| 39 | Power Supply                             | +15 V @ 1000 mA MAX<br>-15 V @ 500 mA MAX | +15 V @ 630 mA<br>-15 V @ 140 mA |            |
| 40 | Power Supply Ripple<br>From DC to 10 MHz | 100 mV MAX                                | PASS                             |            |

QA/QC Approval:

*K. Kintu*

Date:

*7-19-24*

LOG TRANSFER WITH FREQUENCY

TESTED BY: Jim Hopson  
MODEL: EMDM-6G18G-6S-70MV-1  
SERIAL NO: PL40934 RF  
DATE: 07/18/24

Test Temp: 28C  
Video Offset: -0.002

PLANAR MONOLITHICS INDUSTRIES  
4921 Robert J. Mathews Parkway STE 1  
TEL: 916-542-1401 FAX: 301-662-1731  
EMAIL: SALES@PMI-RF.COM  
ISO 9001:2000 CERTIFIED



Frequency

RF Input Power (dBm)

Measured Value (mV)

6000 MHz INTERCEPT (mV) 4956.3

299 676 1018 1363 1746 2083 2428 2825 3183 3536 3873 4271 4602 4924

SLOPE (mV/dB) 71.563

-6 13 -2 -15 10 -11 -24 16 11 -10 30 4 32

7000 MHz INTERCEPT (mV) 4969

-0.08 0.19 -0.03 -0.21 0.14 -0.15 -0.33 0.22 0.22 0.15 -0.14 0.42 0.05 -0.45

SLOPE (mV/dB) 70.538

-1.08 -0.71 -0.84 -0.93 -0.47 -0.67 -0.75 -0.10 0.00 0.03 -0.17 0.50 0.21 -0.20

8000 MHz INTERCEPT (mV) 4978.9

372 746 1096 1433 1819 2141 2482 2868 3192 3555 3898 4286 4624 4959

SLOPE (mV/dB) 70.042

-12 9 7 -9 24 -6 -18 15 -14 -3 -13 22 8 -10

9000 MHz INTERCEPT (mV) 4983.2

-0.17 0.13 0.09 -0.13 0.34 -0.09 -0.26 0.21 -0.19 -0.05 -0.18 0.32 0.11 -0.14

SLOPE (mV/dB) 69.866

-0.04 0.28 0.27 0.07 0.57 0.16 0.01 0.51 0.13 0.30 0.19 0.71 0.53 0.30

10000 MHz INTERCEPT (mV) 4978.4

413 786 1139 1476 1859 2171 2503 2875 3202 3572 3915 4305 4642 4977

SLOPE (mV/dB) 69.947

-13 10 12 -1 32 -6 -24 -3 -26 -6 -13 27 13 -2

SLOPE (mV/dB) 69.866

-0.19 0.14 0.18 -0.01 0.46 -0.09 -0.35 -0.04 -0.37 -0.09 -0.19 0.38 0.19 -0.03

11000 MHz INTERCEPT (mV) 4983.2

0.54 0.85 0.88 0.68 1.14 0.58 0.31 0.61 0.27 0.54 0.43 0.98 0.78 0.56

12000 MHz INTERCEPT (mV) 4978.4

382 770 1123 1457 1841 2157 2491 2864 3193 3568 3909 4295 4635 4987

SLOPE (mV/dB) 70.364

-11 8 14 0 30 -4 -30 -4 -30 -6 -11 20 9 8

SLOPE (mV/dB) 71.192

-0.16 0.11 0.21 0.00 0.43 -0.08 -0.31 -0.06 -0.42 -0.08 -0.16 0.29 0.13 0.11

13000 MHz INTERCEPT (mV) 4999.8

0.24 0.63 0.66 0.41 0.88 0.38 0.14 0.46 0.14 0.48 0.34 0.84 0.68 0.70

14000 MHz INTERCEPT (mV) 4983.3

328 712 1054 1386 1766 2099 2437 2829 3174 3548 3881 4272 4608 4955

SLOPE (mV/dB) 71.483

-13 13 15 -3 29 -7 -25 -3 -26 -3 -14 20 8 9

SLOPE (mV/dB) 70.705

-0.07 0.33 0.13 -0.20 0.13 -0.19 -0.44 0.07 -0.09 -0.17 -0.16 0.33 0.05 -0.07

15000 MHz INTERCEPT (mV) 4953.9

-0.67 -0.20 -0.33 -0.60 -0.19 -0.44 -0.63 -0.04 -0.13 0.20 -0.06 0.51 0.30 0.24

16000 MHz INTERCEPT (mV) 4967.7

313 699 1044 1379 1759 2094 2437 2832 3186 3556 3887 4274 4610 4953

SLOPE (mV/dB) 72.185

-8 20 8 -19 8 -14 29 9 5 18 -8 21 9 -15

17000 MHz INTERCEPT (mV) 4932.3

-0.12 0.28 0.11 -0.20 0.11 -0.20 -0.40 0.12 0.08 0.25 -0.12 0.30 0.00 -0.21

18000 MHz INTERCEPT (mV) 4874.2

-0.88 -0.38 -0.47 -0.70 -0.28 -0.51 -0.63 0.00 0.04 0.31 0.03 0.54 0.33 0.21

19000 MHz INTERCEPT (mV) 4932.3

309 691 1034 1376 1756 2096 2444 2834 3193 3576 3913 4303 4643 4985

SLOPE (mV/dB) 70.323

1 22 4 -15 5 -16 -29 0 -2 20 4 25 4 -15

20000 MHz INTERCEPT (mV) 4953.9

0.02 -0.30 0.06 -0.20 0.06 -0.23 -0.41 0.00 -0.03 0.28 -0.06 0.35 0.06 -0.21

21000 MHz INTERCEPT (mV) 4917.7

-0.94 -0.51 -0.61 -0.74 -0.33 -0.48 -0.53 0.03 0.14 0.60 0.40 0.95 0.80 0.67

22000 MHz INTERCEPT (mV) 4932.3

406 779 1131 1460 1840 2164 2495 2862 3206 3581 3909 4292 4645 4989

SLOPE (mV/dB) 70.85

-6 15 15 -7 21 -6 -27 -12 -19 4 -19 22 13 6

23000 MHz INTERCEPT (mV) 4953.9

-0.09 0.21 0.02 -0.10 0.30 -0.09 -0.38 -0.16 -0.27 0.06 -0.28 0.31 0.19 0.08

24000 MHz INTERCEPT (mV) 4917.7

0.44 0.75 0.77 0.46 0.87 0.48 0.20 0.43 0.33 0.67 0.34 0.94 0.83 0.73

25000 MHz INTERCEPT (mV) 4932.3

346 729 1076 1407 1792 2119 2455 2826 3181 3557 3877 4264 4604 4951

SLOPE (mV/dB) 70.24

-12 17 11 -12 20 -7 -24 -7 -5 17 -16 17 4 -3

26000 MHz INTERCEPT (mV) 4932.3

-0.17 0.25 0.15 -0.16 0.28 -0.09 -0.34 -0.10 -0.07 0.24 -0.23 0.24 0.05 -0.04

27000 MHz INTERCEPT (mV) 4917.7

-0.41 0.04 -0.01 -0.30 0.19 -0.16 -0.37 -0.09 -0.03 0.33 -0.11 0.40 0.24 0.19

28000 MHz INTERCEPT (mV) 4932.3

316 696 1039 1376 1755 2090 2426 2809 3172 3545 3863 4251 4581 4897

SLOPE (mV/dB) 69.947

-11 15 3 -14 11 -3 -27 3 11 -30 27 3 -35

29000 MHz INTERCEPT (mV) 4917.7

-0.16 0.21 0.05 -0.20 0.15 -0.12 -0.38 0.03 0.15 0.42 -0.09 0.38 0.04 -0.50

30000 MHz INTERCEPT (mV) 4932.3

-0.84 -0.43 -0.54 -0.74 -0.34 -0.57 -0.78 -0.33 -0.16 0.16 0.31 0.21 -0.09 -0.58

31000 MHz INTERCEPT (mV) 4917.7

333 717 1062 1394 1773 2103 2436 2814 3172 3536 3851 4241 4573 4885

SLOPE (mV/dB) 70.24

-19 14 7 -12 16 -5 -23 3 10 12 -13 26 6 -33

32000 MHz INTERCEPT (mV) 4917.7

-0.27 0.19 0.11 -0.17 0.23 -0.07 -0.33 0.05 0.15 0.31 -0.19 0.37 0.09 -0.47

33000 MHz INTERCEPT (mV) 4917.7

-0.60 -0.13 -0.21 -0.48 -0.09 -0.38 -0.64 -0.26 -0.16 0.01 -0.48 0.07 -0.20 -0.75

34000 MHz INTERCEPT (mV) 4917.7

311 692 1034 1369 1744 2076 2400 2772 3132 3532 3891 4297 4654 4984

SLOPE (mV/dB) 69.947

-17 15 7 10 -0.11 -0.11 0.25 0.00 -0.37 -0.05 0.09 0.22 -0.26 0.32 0.14 -0.29

35000 MHz INTERCEPT (mV) 4917.7

-0.91 -0.48 -0.61 -0.84 -0.50 -0.77 -1.15 -0.85 -0.73 -0.61 -1.11 -0.56 -0.75 -1.20

Measured Value (mV)

Error (mV)

Linearity Error (dB)

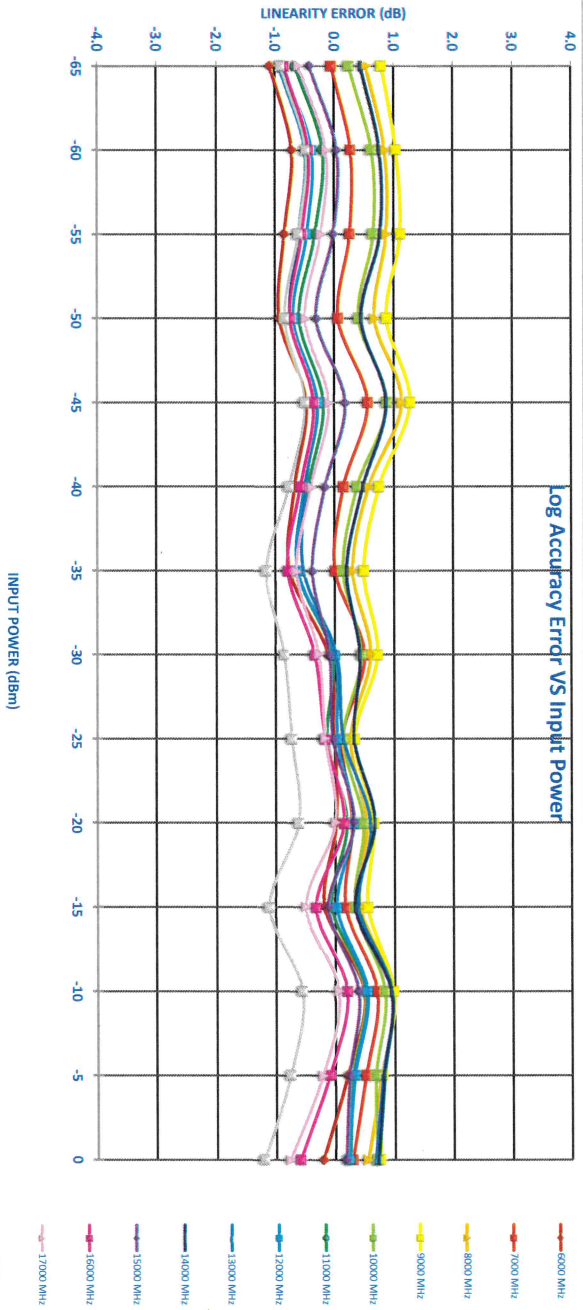
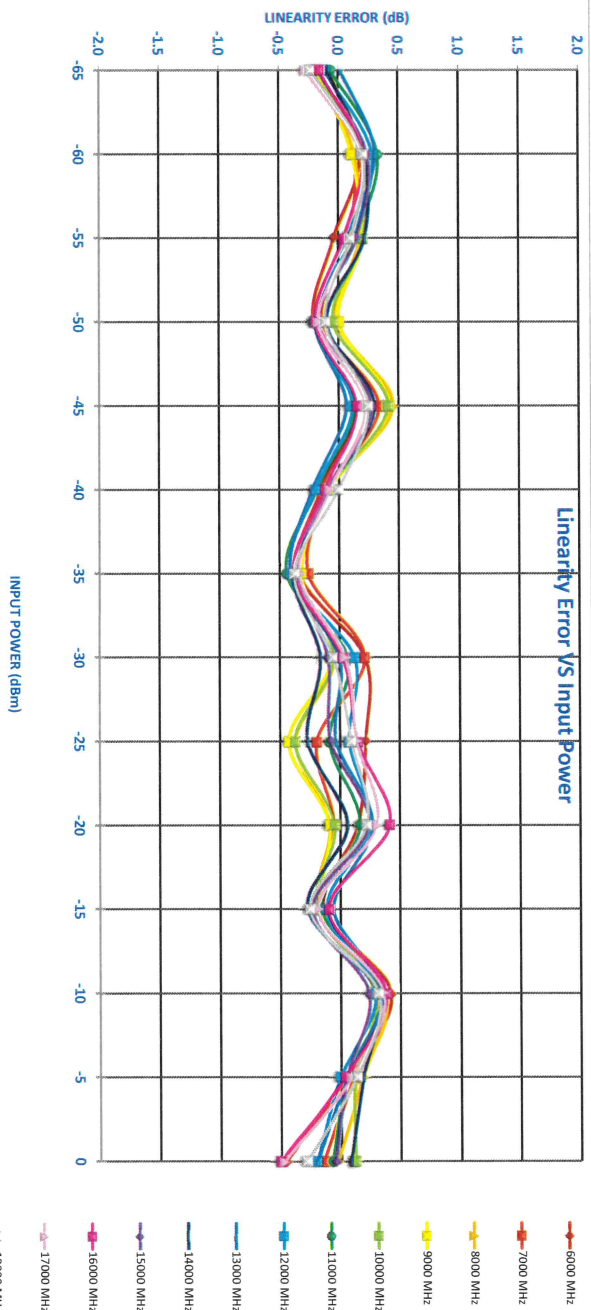
Linearity Error (dB)

Accuracy Error (dB)

Accuracy Error (dB)

PL40934 RF

25°C



## LOG TRANSFER WITH FREQUENCY

TESTED BY: Jim Hopson  
MODEL: EWDIM-6G18G-6S-70MV-1  
SERIAL NO.: PL40934 BIT  
DATE: 07/18/24

Test Temp: 25C  
Video Offset: 0.002

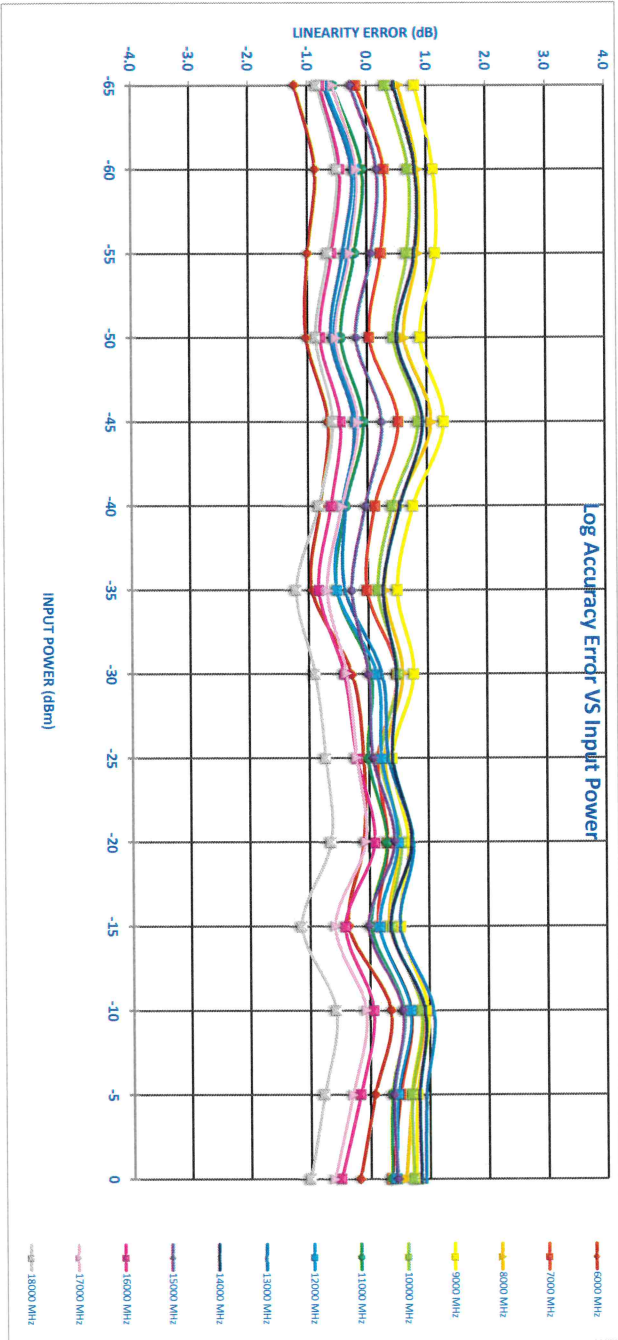
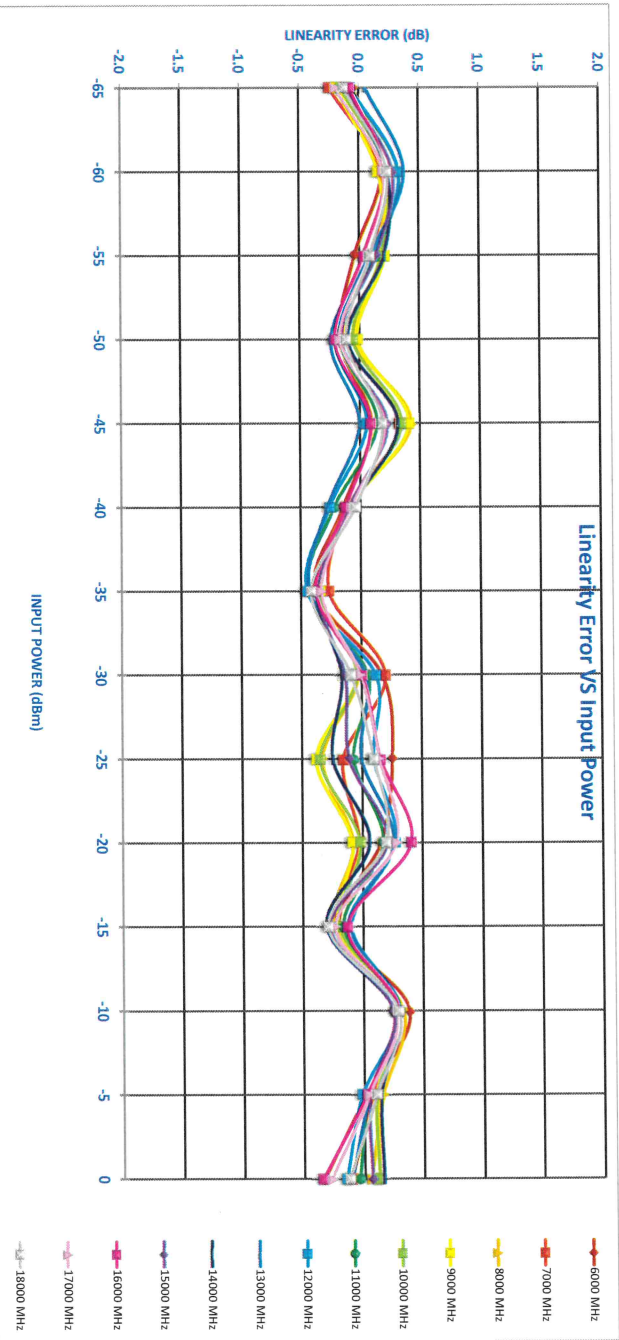
PLANAR MONOLITHICS INDUSTRIES  
4921 Robert J. Mathews Parkway STE 1  
TEL: 916-542-1401 FAX: 301-662-1731  
EMAIL: SALES@PMI-RF.COM  
ISO 9001:2000 CERTIFIED



## Frequency

|           |                |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6000 MHz  | INTERCEPT (mV) | 4924.6 | 265   | 640   | 982   | 1331  | 1708  | 2049  | 2390  | 2768  | 3152  | 3503  | 3836  | 4236  | 4568  | 4901  |
|           | SLOPE (mV/dB)  | 71.639 | -3    | 14    | -2    | -13   | 7     | -10   | -27   | -13   | 18    | -11   | -14   | 28    | 2     | -24   |
|           |                |        | -0.04 | 0.19  | -0.03 | -0.16 | 0.10  | -0.38 | 0.18  | 0.26  | 0.16  | -0.20 | 0.39  | 0.02  | -0.33 |       |
|           |                |        | -1.21 | -0.87 | -1.00 | -1.03 | -0.66 | -0.80 | -0.94 | -0.27 | -0.09 | -0.09 | -0.34 | 0.36  | 0.09  | -0.17 |
| 7000 MHz  | INTERCEPT (mV) | 4945.4 | 338   | 722   | 1069  | 1406  | 1791  | 2114  | 2455  | 2841  | 3169  | 3531  | 3871  | 4260  | 4598  | 4938  |
|           | SLOPE (mV/dB)  | 70.62  | -17   | 14    | 5     | -8    | 24    | -7    | -19   | 18    | -11   | -2    | -13   | 23    | 6     | -27   |
|           |                |        | -0.24 | 0.20  | 0.11  | -0.12 | 0.33  | -0.09 | -0.26 | 0.20  | -0.15 | -0.03 | -0.21 | 0.29  | 0.08  | -0.10 |
|           |                |        | -0.17 | 0.30  | 0.24  | 0.04  | 0.53  | 0.13  | -0.01 | 0.48  | 0.16  | 0.31  | 0.16  | 0.70  | 0.51  | 0.36  |
| 8000 MHz  | INTERCEPT (mV) | 4950.8 | 388   | 761   | 1112  | 1447  | 1830  | 2142  | 2476  | 2848  | 3177  | 3545  | 3884  | 4274  | 4612  | 4955  |
|           | SLOPE (mV/dB)  | 70.022 | -11   | 12    | 12    | -3    | 30    | -8    | -24   | -2    | -23   | -5    | -16   | 23    | 11    | 4     |
|           |                |        | -0.16 | 0.16  | 0.18  | -0.04 | 0.43  | -0.11 | -0.34 | -0.03 | -0.33 | -0.08 | -0.24 | 0.33  | 0.16  | 0.06  |
|           |                |        | 0.54  | 0.85  | 0.85  | 0.63  | 1.08  | 0.53  | 0.28  | 0.58  | 0.27  | 0.51  | 0.34  | 0.90  | 0.71  | 0.60  |
| 9000 MHz  | INTERCEPT (mV) | 4956.2 | 407   | 780   | 1133  | 1466  | 1845  | 2159  | 2491  | 2861  | 3186  | 3556  | 3897  | 4280  | 4618  | 4967  |
|           | SLOPE (mV/dB)  | 69.822 | -13   | 11    | 15    | -1    | 29    | -6    | -23   | -3    | -27   | -6    | -14   | 20    | 9     | 9     |
|           |                |        | -0.18 | 0.16  | 0.21  | -0.02 | 0.41  | -0.09 | -0.36 | -0.04 | -0.38 | -0.08 | -0.20 | 0.29  | 0.13  | 0.13  |
|           |                |        | 0.81  | 1.13  | 1.15  | 0.90  | 1.30  | 0.77  | 0.50  | 0.77  | 0.40  | 0.67  | 0.53  | 0.98  | 0.80  | 0.77  |
| 10000 MHz | INTERCEPT (mV) | 4955.2 | 372   | 750   | 1099  | 1434  | 1814  | 2134  | 2468  | 2842  | 3172  | 3547  | 3886  | 4272  | 4611  | 4964  |
|           | SLOPE (mV/dB)  | 70.348 | -11   | 16    | 13    | -4    | 24    | -7    | -25   | -3    | -25   | -1    | -14   | 20    | 8     | 9     |
|           |                |        | -0.15 | 0.22  | 0.18  | -0.05 | 0.35  | -0.10 | -0.36 | -0.04 | -0.35 | -0.02 | -0.20 | 0.29  | 0.11  | 0.12  |
|           |                |        | 0.31  | 0.70  | 0.67  | 0.44  | 0.85  | 0.41  | 0.17  | 0.50  | 0.20  | 0.54  | 0.37  | 0.87  | 0.70  | 0.73  |
| 11000 MHz | INTERCEPT (mV) | 4940.8 | 310   | 695   | 1037  | 1372  | 1749  | 2079  | 2419  | 2810  | 3157  | 3530  | 3862  | 4251  | 4588  | 4938  |
|           | SLOPE (mV/dB)  | 71.153 | 6     | 22    | 19    | -4    | 20    | -6    | -21   | 6     | -5    | 12    | -2    | 22    | 3     | -3    |
|           |                |        | -0.08 | 0.33  | 0.13  | -0.16 | 0.14  | -0.22 | -0.44 | 0.05  | -0.07 | -0.17 | -0.16 | 0.30  | 0.04  | -0.04 |
|           |                |        | -0.57 | -0.09 | -0.21 | -0.44 | -0.07 | -0.37 | -0.53 | 0.04  | -0.01 | 0.30  | 0.03  | 0.57  | 0.37  | 0.36  |
| 12000 MHz | INTERCEPT (mV) | 4953.6 | 301   | 687   | 1029  | 1364  | 1740  | 2075  | 2419  | 2817  | 3173  | 3543  | 3872  | 4259  | 4595  | 4943  |
|           | SLOPE (mV/dB)  | 71.502 | -5    | 24    | 8     | -19   | 4     | -19   | -22   | 8     | 7     | 19    | 9     | 20    | 1     | -11   |
|           |                |        | -0.07 | 0.33  | 0.11  | -0.20 | 0.06  | -0.26 | -0.45 | 0.12  | 0.10  | 0.27  | -0.13 | 0.29  | -0.02 | -0.15 |
|           |                |        | -0.70 | -0.20 | -0.33 | -0.56 | -0.20 | -0.43 | -0.53 | 0.14  | 0.21  | 0.48  | 0.17  | 0.68  | 0.47  | 0.43  |
| 13000 MHz | INTERCEPT (mV) | 4985.4 | 299   | 683   | 1023  | 1360  | 1738  | 2079  | 2429  | 2823  | 3181  | 3561  | 3896  | 4286  | 4628  | 4978  |
|           | SLOPE (mV/dB)  | 72.156 | 4     | 27    | 6     | -18   | 0     | -20   | -31   | 2     | 0     | 19    | -7    | 22    | 3     | -7    |
|           |                |        | 0.05  | 0.37  | 0.09  | -0.24 | 0.00  | -0.28 | -0.43 | 0.03  | -0.01 | 0.26  | -0.10 | 0.31  | 0.05  | -0.10 |
|           |                |        | -0.73 | -0.26 | -0.41 | -0.61 | -0.23 | -0.37 | -0.38 | 0.23  | 0.33  | 0.74  | 0.51  | 1.07  | 0.94  | 0.93  |
| 14000 MHz | INTERCEPT (mV) | 4961.5 | 382   | 758   | 1108  | 1436  | 1819  | 2143  | 2474  | 2840  | 3186  | 3559  | 3885  | 4276  | 4620  | 4973  |
|           | SLOPE (mV/dB)  | 70.33  | -8    | 16    | 15    | -7    | 22    | -5    | -26   | -12   | -17   | 4     | -22   | 18    | 10    | 11    |
|           |                |        | -0.11 | 0.23  | 0.21  | -0.10 | 0.32  | -0.08 | -0.37 | -0.17 | -0.25 | 0.06  | -0.31 | 0.25  | 0.14  | 0.16  |
|           |                |        | 0.46  | 0.81  | 0.80  | 0.50  | 0.93  | 0.54  | 0.26  | 0.47  | 0.40  | 0.71  | 0.36  | 0.93  | 0.83  | 0.85  |
| 15000 MHz | INTERCEPT (mV) | 4940.2 | 331   | 713   | 1057  | 1390  | 1771  | 2102  | 2437  | 2807  | 3163  | 3539  | 3859  | 4250  | 4590  | 4945  |
|           | SLOPE (mV/dB)  | 70.788 | -8    | 20    | 10    | -11   | 16    | -7    | -26   | -10   | -7    | 15    | -19   | 18    | 4     | 5     |
|           |                |        | -0.11 | 0.28  | 0.14  | -0.15 | 0.23  | -0.09 | -0.36 | -0.13 | -0.11 | 0.21  | -0.27 | 0.25  | 0.05  | 0.07  |
|           |                |        | -0.27 | 0.17  | 0.07  | -0.19 | 0.24  | -0.04 | -0.27 | 0.00  | 0.07  | 0.43  | -0.01 | 0.56  | 0.40  | 0.46  |
| 16000 MHz | INTERCEPT (mV) | 4903.3 | 295   | 670   | 1011  | 1348  | 1723  | 2062  | 2398  | 2779  | 3144  | 3516  | 3832  | 4216  | 4551  | 4879  |
|           | SLOPE (mV/dB)  | 70.817 | -5    | 16    | 3     | -14   | 6     | -9    | -27   | 0     | 11    | -29   | -9    | 21    | 2     | -24   |
|           |                |        | -0.07 | 0.22  | 0.04  | -0.20 | 0.09  | -0.12 | -0.38 | 0.00  | 0.16  | 0.41  | -0.13 | 0.30  | 0.03  | -0.34 |
|           |                |        | -0.78 | -0.44 | -0.58 | -0.78 | -0.44 | -0.61 | -0.83 | -0.40 | -0.20 | 0.10  | -0.40 | 0.07  | 0.16  | -0.48 |
| 17000 MHz | INTERCEPT (mV) | 4889.9 | 310   | 689   | 1032  | 1366  | 1743  | 2075  | 2408  | 2782  | 3144  | 3505  | 3820  | 4207  | 4542  | 4871  |
|           | SLOPE (mV/dB)  | 70.251 | -14   | 14    | 6     | -11   | 14    | -5    | -23   | 0     | 10    | -23   | -16   | 20    | 3     | -19   |
|           |                |        | -0.19 | 0.20  | 0.08  | -0.16 | 0.21  | -0.07 | -0.33 | 0.00  | 0.15  | 0.29  | -0.23 | 0.28  | 0.05  | -0.27 |
|           |                |        | -0.57 | -0.17 | -0.28 | -0.53 | -0.16 | -0.43 | -0.68 | -0.36 | -0.20 | -0.06 | -0.37 | -0.06 | -0.28 | -0.60 |
| 18000 MHz | INTERCEPT (mV) | 4850.6 | 291   | 666   | 1006  | 1342  | 1713  | 2047  | 2371  | 2744  | 3107  | 3464  | 3780  | 4171  | 4508  | 4842  |
|           | SLOPE (mV/dB)  | 70.015 | -9    | 16    | 6     | -8    | 13    | -3    | -29   | -6    | 7     | 14    | -20   | 21    | 7     | -9    |
|           |                |        | -0.12 | 0.23  | 0.09  | -0.11 | 0.19  | -0.04 | -0.42 | -0.09 | 0.10  | 0.20  | -0.29 | 0.29  | 0.11  | -0.12 |
|           |                |        | -0.84 | -0.50 | -0.66 | -0.87 | -0.58 | -0.83 | -1.21 | -0.90 | -0.73 | -0.64 | -1.14 | -0.57 | -0.77 | -1.01 |
|           | Flatness       |        | 1.01  | 1.00  | 1.08  | 0.96  | 0.98  | 0.78  | 0.72  | 0.58  | 0.30  | 0.41  | 0.46  | 0.50  | 0.55  | 0.71  |

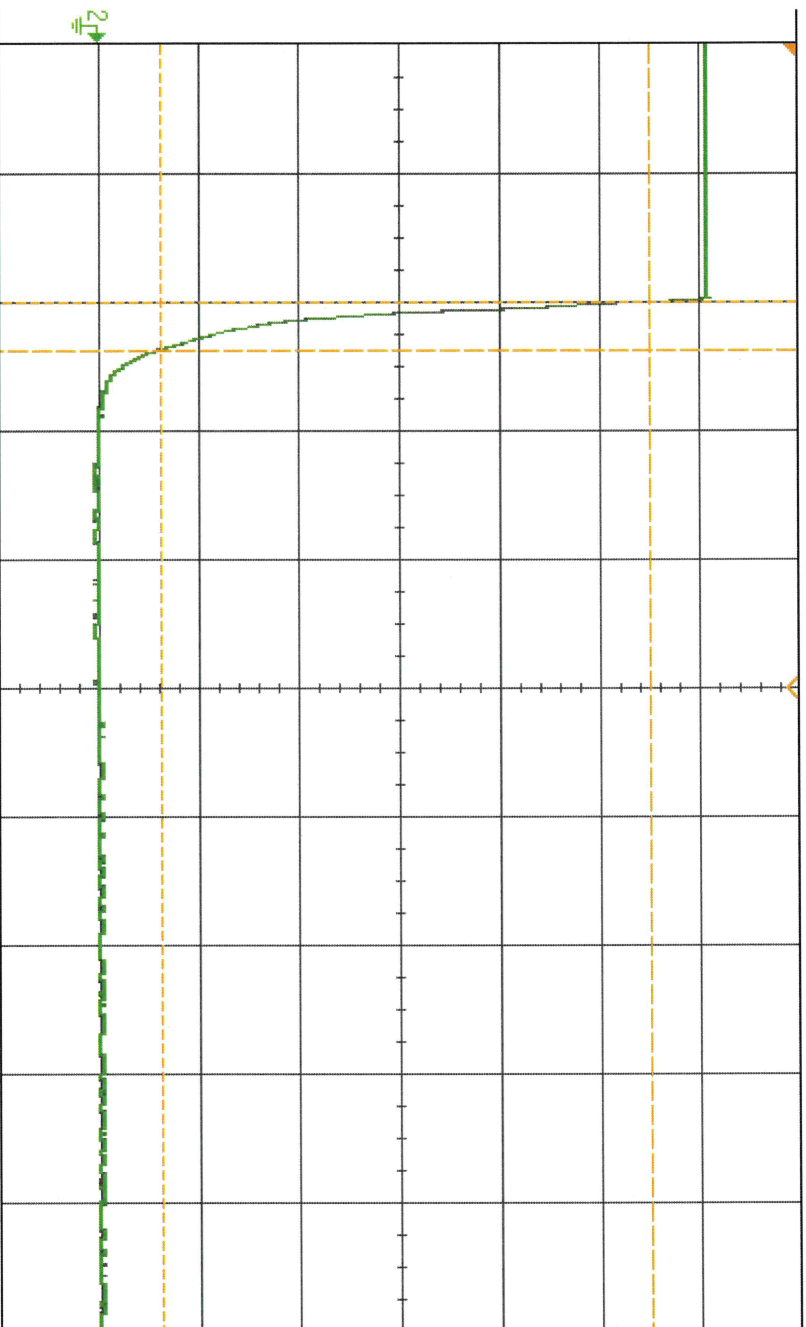
PL40934 Bit



# PL40934 Recovery

DSO-X 3034A, MW52394003: Wed Jul 17 15:05:31 2024

1 2 700% / 3 4 4.052ms 500.0ns / Auto f E 2.55V



|                          |                |               |           |
|--------------------------|----------------|---------------|-----------|
| KEYSIGHT<br>TECHNOLOGIES | Acquisition    | Averaging: 32 | 4.006Sa/s |
| Channels                 | DC             | 1.00:1        | 1.00:1    |
| DC                       | DC             | 1.00:1        | 1.00:1    |
| DC                       | DC             | 1.00:1        | 1.00:1    |
| Measurements             | AC RMS - FS(2) | 1.7155V       |           |
| Rise(2)                  | No edges       |               |           |
| Fall(2)                  | 183.1ns        |               |           |

Save to file = PL40934 Recovery

Spell

Enter

Delete Character

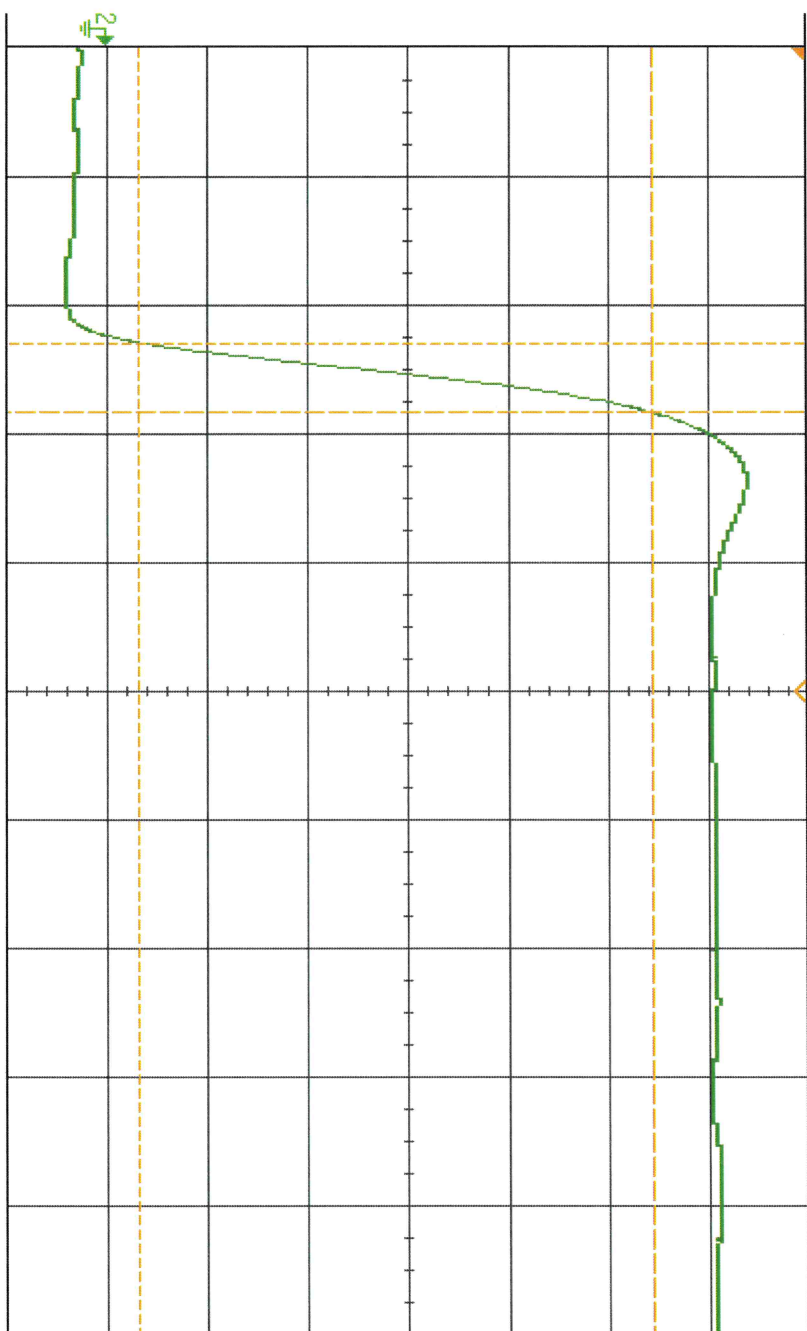
Increment

Press to Save

PL40934  
RISETIME

DSO-X 3034A, MW52394003: Wed Jul 17 15:08:23 2024

1 2 50% / 3 4 4.000ns 50.00ns / Stop f E 2.55V



|                 |          |
|-----------------|----------|
| Acquisition     | 256      |
| Averaging       | 256      |
| Channels        | 1.00:1   |
| DC              | 1.00:1   |
| DC              | 1.00:1   |
| DC              | 1.00:1   |
| Measurements    |          |
| AC RMS - FS(2): | 136.36mV |
| Fall(2):        | No edges |
| Rise(2):        | 26.8ns   |

Acquire Menu

Acq Mode Averaging

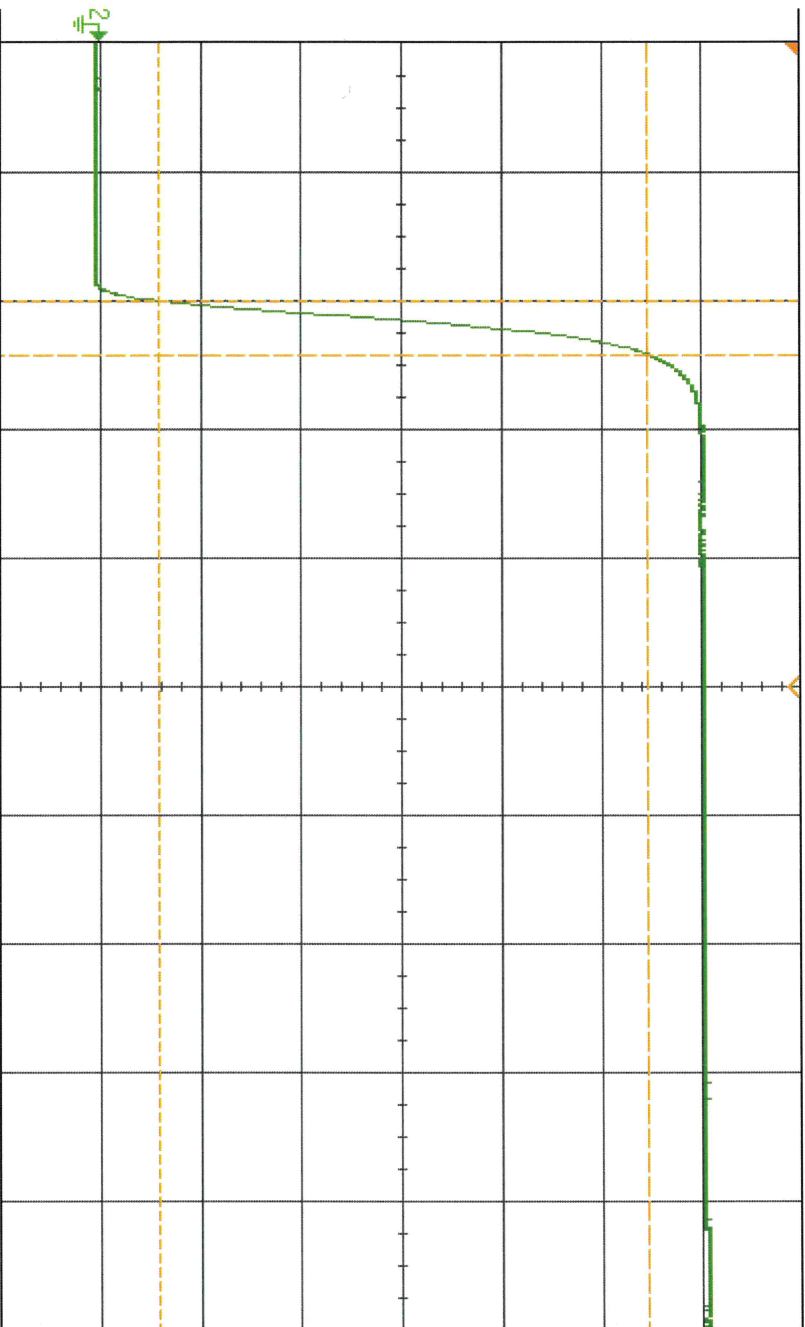
# Avgs 256

Segmented

PL40934  
Settle

DSO-X 3034A, MW52394003: Wed Jul 17 15:07:17 2024

1 2 700% 3 4 4.000ms 50.00%/ 2.55V



|                 |          |
|-----------------|----------|
| Acquisition     |          |
| Averaging: 32   |          |
| 4.00GSa/s       |          |
| Channels        |          |
| DC              | 1.00:1   |
| DC              | 1.00:1   |
| DC              | 1.00:1   |
| DC              | 1.00:1   |
| Measurements    |          |
| AC RMS - FS[2]: | 1.7202V  |
| Fall[2]:        | No edges |
| Rise[2]:        | 20.5ns   |

Measurement Menu

Source 2

Type: Rise

Add Measurement

Settings

Clear Meas

Statistics