

Infonote

AO-IN-2026-046-I

Introduction of new lens supplier for LED Engin

01.09.2026

Dear Customer,

please take note of this **Infonote**.

This customer notification is for information only and does not require customer approval.

Objective:	Introduction of new lens supplier for LED Engin	
Affected products:	Refer to document 2_cip_AO-IN-2026-046-I	
Reason for change:	Securing of lens supply	
Description of change:	<u>Current status</u>	<u>New status</u>
	· Current Lens supplier · Current Lens form / appearance	· New Lens supplier · New Lens form / appearance
	For details refer to file 2_cip_AO-IN-2026-046-I	
Time schedule:	Intended Start of Introduction: 15.09.2026	
Assessment:	No change in fit and function. Slight change in lens form.	
Documentation:	Customer information package 2_cip_AO-IN-2026-046-I 3_Qual_AO-IN-2026-046-I	

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Introduction of new lens supplier for LED Engin

Customer information package

OS OSQ Q CQM ICI
2026-09-01

Agenda

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Introduction of new lens supplier for LED Engin

Reason for change

Item	Description
Item 1	Securing of lens supply

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Introduction of new lens supplier for LED Engin

Description of change:

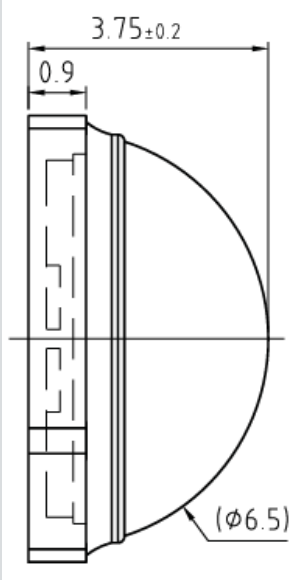
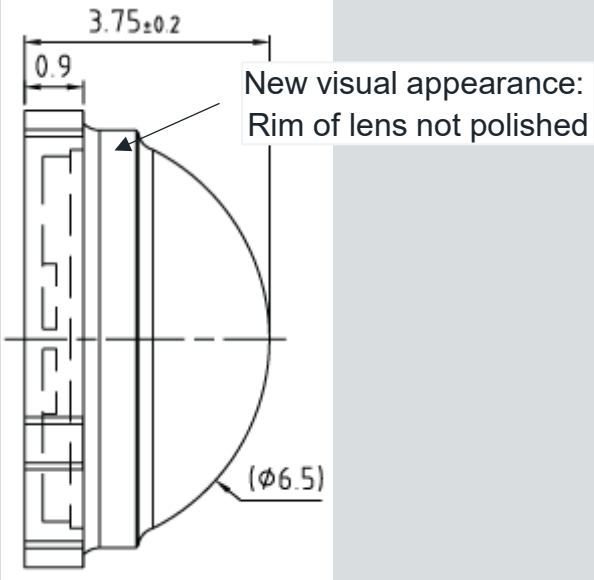
Item	Current status	New status
Item 1	Current lens supplier	New lens supplier

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Introduction of new lens supplier for LED Engin

Description of change:

Valid for LZ4-00D108, LZ4-00MC08, LZ4-00MA08, LZ4-00R608, LZ4-00R708, LZ4-00RW08, LZ420D108, LZ4-20MA08, LZ4-20MC08

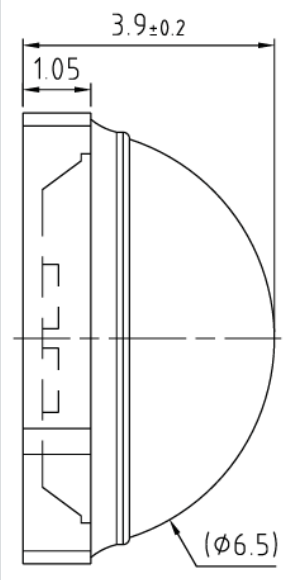
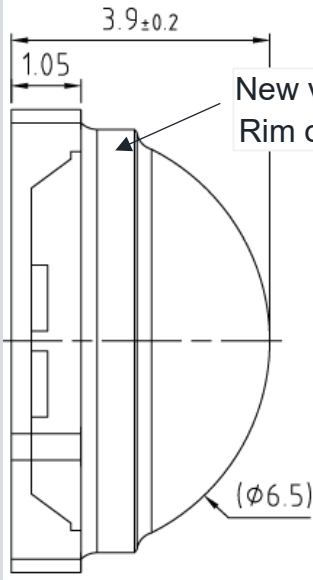
Item	Current status	New status
Item 2	Current lens form / appearance (Excerpt from the dimensional drawing in the datasheet) 	New lens form / appearance (Excerpt from the dimensional drawing in the datasheet) 

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Introduction of new lens supplier for LED Engin

Description of change:

Valid for LQ4-00MD00, LZ4-00DB0R, LZ4-00UBH0, LZ4-00R608, LZ4-00R708, LZ4-00RW08, LZ4-40DB0R, LZ4-40R608, LZ4-40R708, LZ4-V0UBH0

Item	Current status	New status
Item 3	Current lens form / appearance (Excerpt from the dimensional drawing in the datasheet) 	New lens form / appearance (Excerpt from the dimensional drawing in the datasheet)  New visual appearance: Rim of lens not polished

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Introduction of new lens supplier for LED Engin

Changes in the datasheets: Updated Datasheet Version

Product type	Data sheet version <u>before</u> IN	Data sheet version <u>after</u> IN
LZ4-00UBH0	1.1	1.2
LZ4-00D108	1.1	1.2
LZ4-00MC08	1.4	1.5
LZ4-00MA08	1.3	1.4
LZ4-00R608	1.7	1.8
LZ4-00R708	1.7	1.8
LZ4-00RW08	1.2	1.3
LQ4-00MD00	1.7	1.8
LZ4-00DB0R	1.3	1.4

Note: Latest version of data sheet will be accessible on the ams OSRAM homepage.

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Changes in the datasheets: Updated Datasheet Version

Product type
LZ4-20D108
LZ4-20MA08
LZ4-20MC08
LZ4-40DB0R
LZ4-40R608
LZ4-40R708
LZ4-V0UBH0

The following applies to the listed products:
No new datasheet version applicable, as no dimensional drawing is available in the datasheet.
Please refer to the respective emitter datasheet for the updated dimensional drawing.

Note: Latest version of data sheet will be accessible on the ams OSRAM homepage.

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List of affected products

LED Engin
LZ4-00UBH0
LZ4-00D108
LZ4-00MC08
LZ4-00MA08
LZ4-00R608
LZ4-00R708
LZ4-00RW08
LQ4-00MD00
LZ4-00DB0R
LZ4-20D108
LZ4-20MA08
LZ4-20MC08
LZ4-40DB0R
LZ4-40R608
LZ4-40R708
LZ4-V0UBH0

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Introduction of new lens supplier for LED Engin

Time schedule

Time schedule	
Intended Start of Introduction	15.09.2026

Sensing is life



Reliability Report 260170C1

Subject	Reliability Report of new lens supplier for LED ENGINE LZ4-00UBH0 according to AO-IN-2026-046-I
Date	01.09.2026
Tested device	LZ4-00UBH0
Brand (including sub brands)	LED ENGINE
Applies to	LZ4-00UBH0; LZ4-00D108; LZ4-00MC08; LZ4-00MA08; LZ4-00R608; LZ4-00R708; LZ4-00RW08; LQ4-00MD00; LZ4-00DB0R; LZ4-20D108; LZ4-20MA08; LZ4-20MC08; LZ4-40DB0R; LZ4-40R608; LZ4-40R708; LZ4-V0UBH0

Pre-conditioning according to Jedec Level II

Test Performed		Condition	Duration	Sample Size	El.	Failures Opt.	Vis
Wet High Temperature Operating Life WHTOL	JESD22-A101	T _A = 60°C; r.H.= 90% I _F = 700mA	1000h	4x12	0	0	0
Temperature Cycling TC	JESD22-A104	T _A = -40°C/+125°C	300c	4x12	0	0	0
High Temperature Operating Life HTOL	JESD22-A108	T _A = 55°C; I _F = 700mA	1000h	4x12	0	0	0

Note:
Lot A-C: Evaluation Lot
Lot D: Control Lot

Acceptance limit:

- Electrical failures: V_f (I_f=700mA) ± 10% from initial value
- Optical failures: I_v (I_f=700mA) ± 30% from initial value
- Visual failures: acc. JEDEC JESD22-B101 and other standards as referenced in this report

Conclusion: The tested device representing the product family as stated in the applies to section fulfills the reliability requirements.

Disclaimer

PLEASE CAREFULLY READ THE BELOW TERMS AND CONDITIONS BEFORE USING THE INFORMATION.
IF YOU DO NOT AGREE WITH ANY OF THESE TERMS AND CONDITIONS, DO NOT USE THE INFORMATION.

The Information contained in this Document does not constitute an independent warranty. The committed behavior is described in the Product data sheet and/or further, mutually agreed specifications.

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Further explanations:

Data: The Data used in this Document consider the reliability test results under the mentioned driving conditions only. For Product information on the maximum operating conditions and the OSRAM standard qualification profile please refer to the Product data sheet or contact your local sales partner.

Conditions: The conditions for the generation of the Data are as follows:

1. The Data and curves shown in this Document are based on experiments carried out under laboratory conditions on a random sample size of LED/IRED/Laser/Detector with readouts at discrete readout times (where applicable). Thus, the Data above represent a limited number of production lots only and may differ between different assembly lots over time (including chip or package changes). Thus, the behavior of the LED/IRED/Laser/Detector in the final application may differ from the Data. The behavior of the LED/IRED/Laser/Detector at conditions or readout times deviating from those stated above may not be deduced from the Data.

2. If applicable:

a) Extended driving conditions:

The tested driving conditions exceed the maximum limits stated in the Product data sheet. Therefore, a reduced lifetime or an accelerated degradation is expected. Failure limits noted in the Document refer to the testing condition according to the OSRAM standard Product qualification profile and not to the actual testing condition.

b) Extended testing duration:

The testing duration exceed the OSRAM standard qualification profile of the mentioned Product. Failure limits noted in the Document refer to the testing duration according to the OSRAM standard Product qualification profile and not to the actual testing duration.

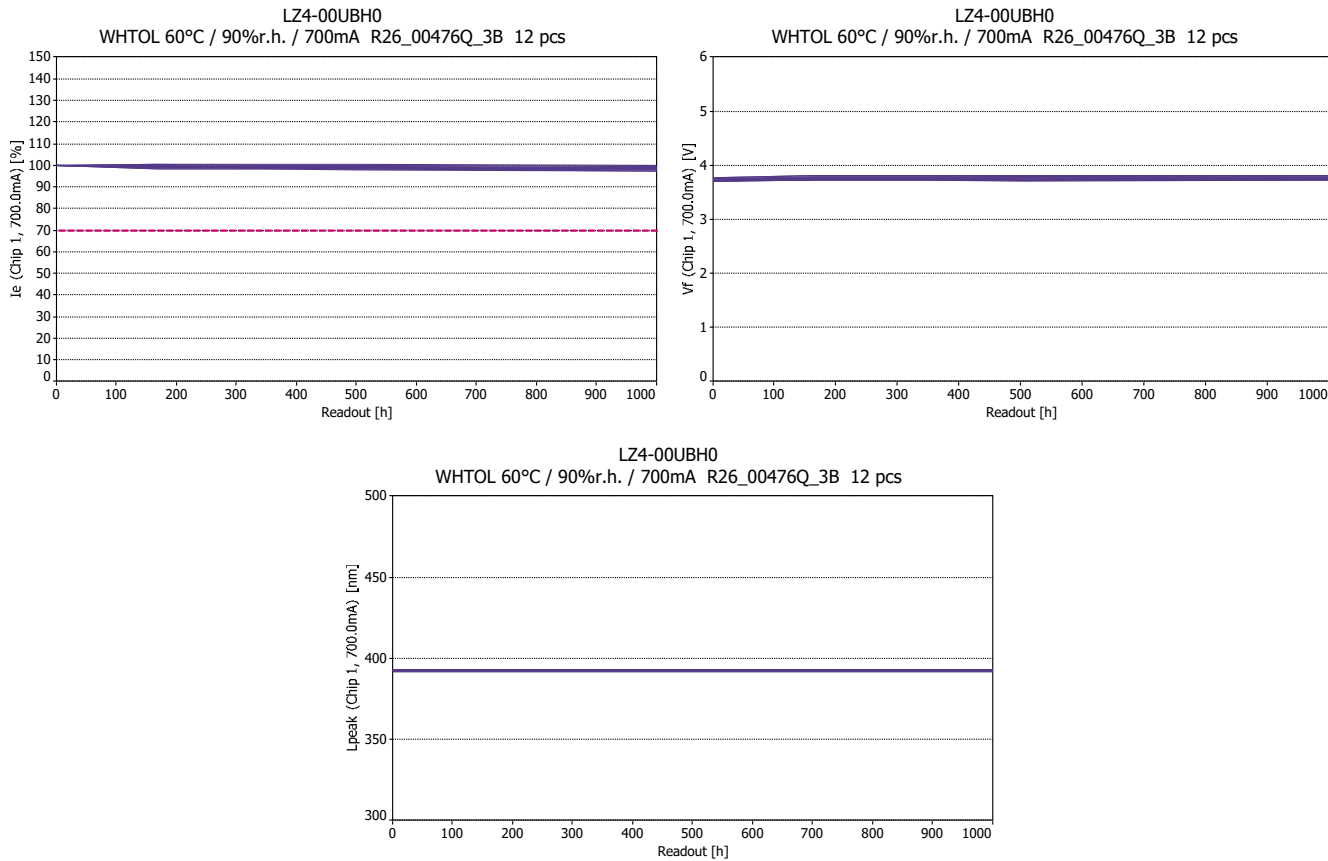
c) Exceeding standard qualification conditions – (Product data sheet limits not affected):

The tested driving conditions exceed the OSRAM standard qualification profile of the mentioned Product. Therefore a reduced lifetime or an accelerated degradation is expected. Failure limits noted in the Document refer to the testing condition according to the OSRAM standard Product qualification profile and not to the actual testing condition.

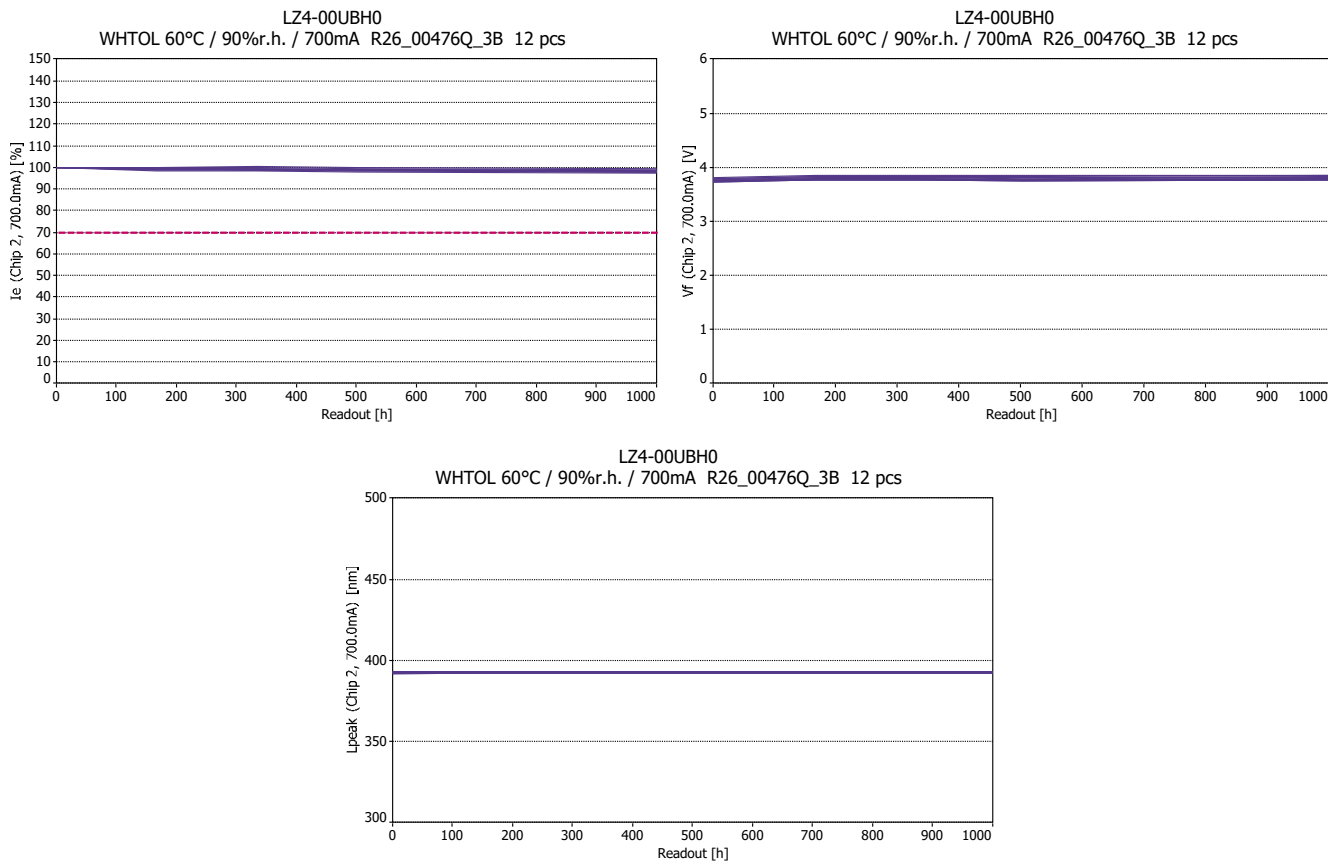
3. For long term operation additional failure modes of the chip or package can occur which are not shown in this Document.

4. Possible differences in the thermal management of OSRAM and customer's setup may lead to a different aging behavior.

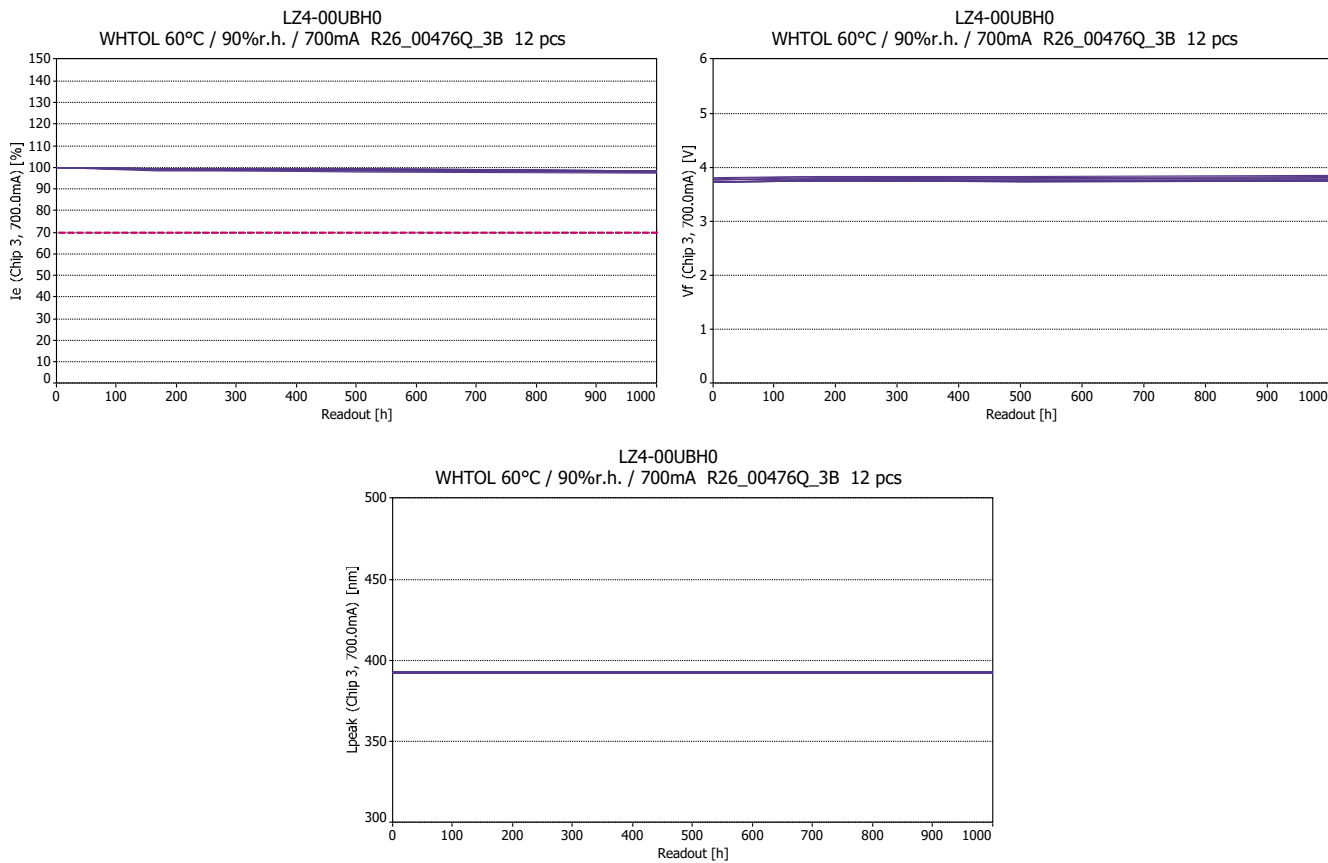
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Lot A – Chip 1



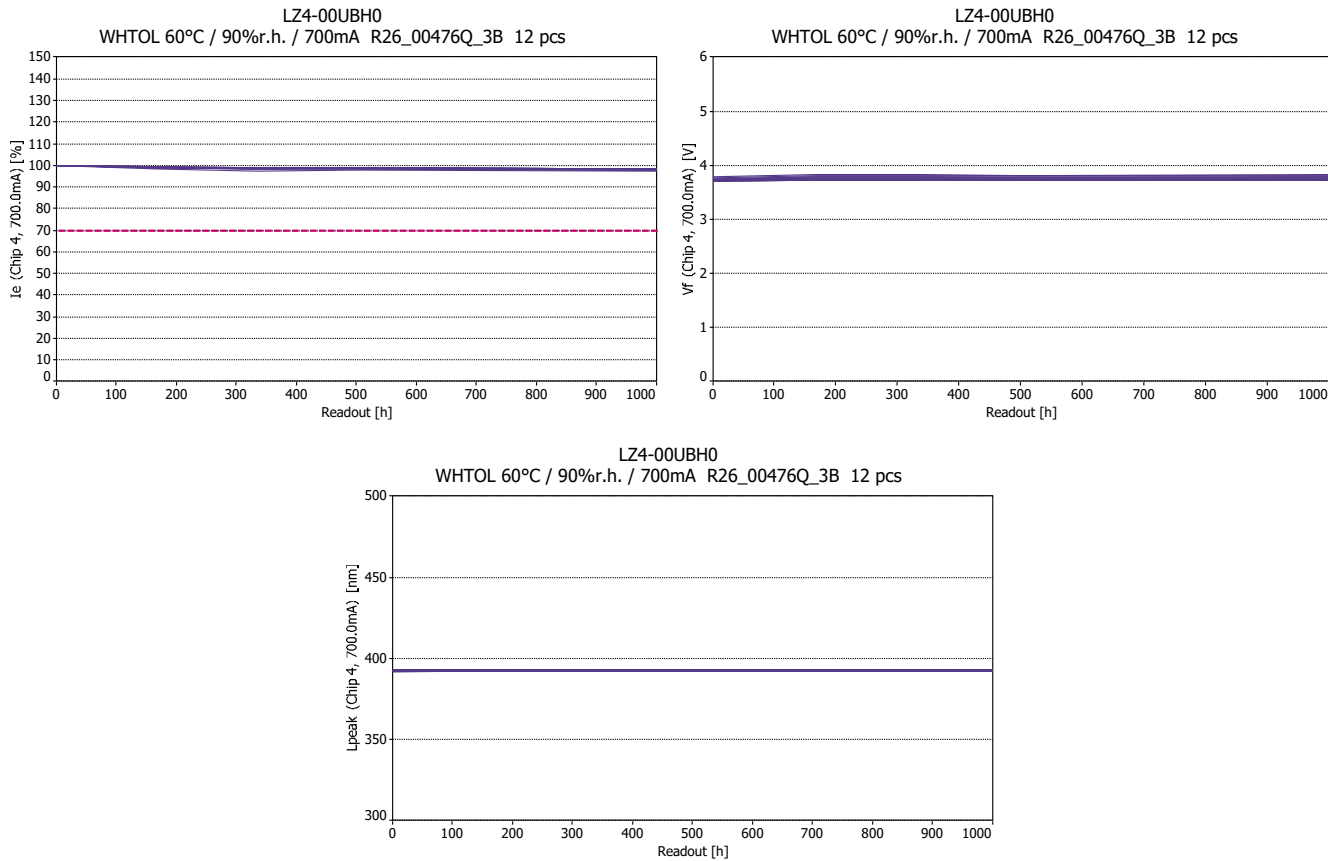
Lot A – Chip 2



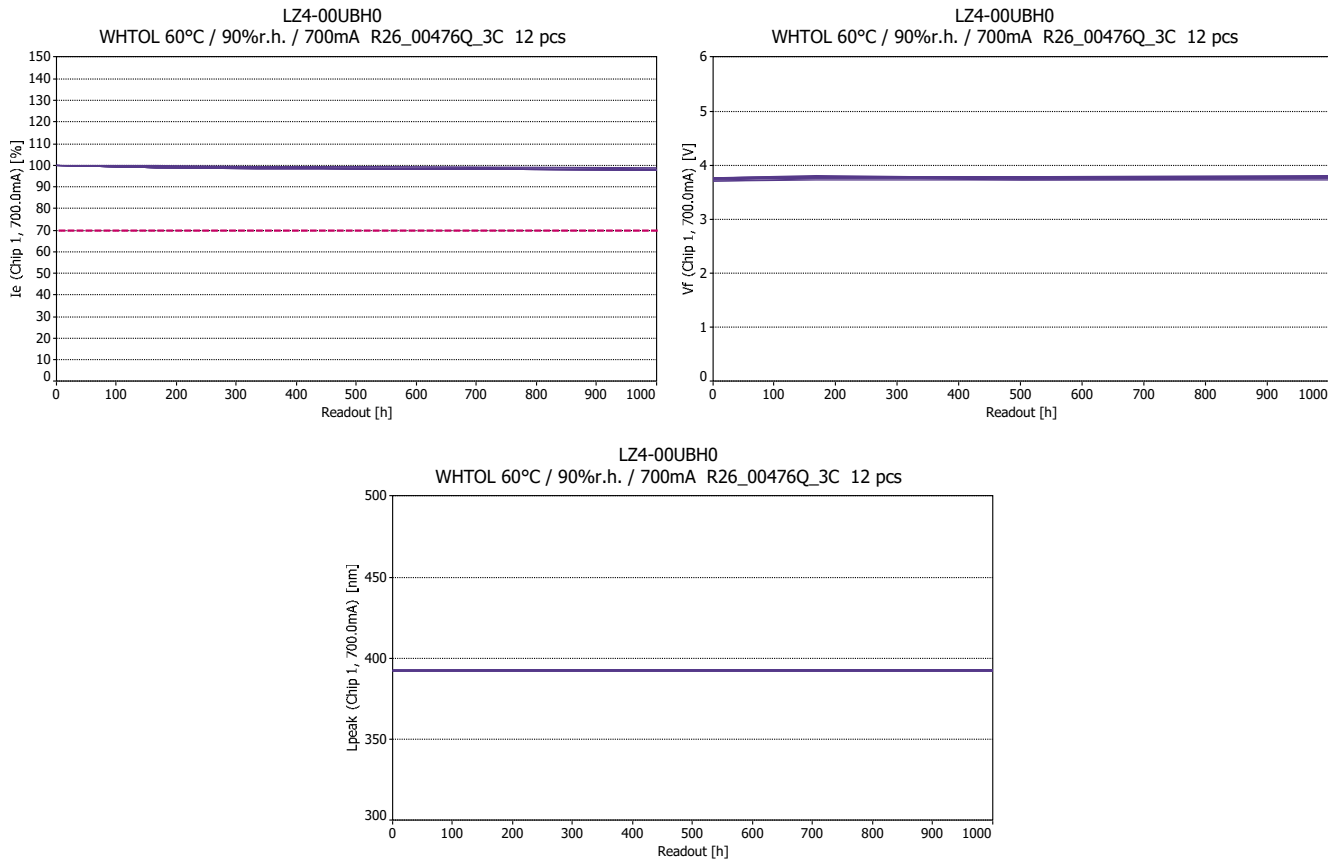
Lot A – Chip 3



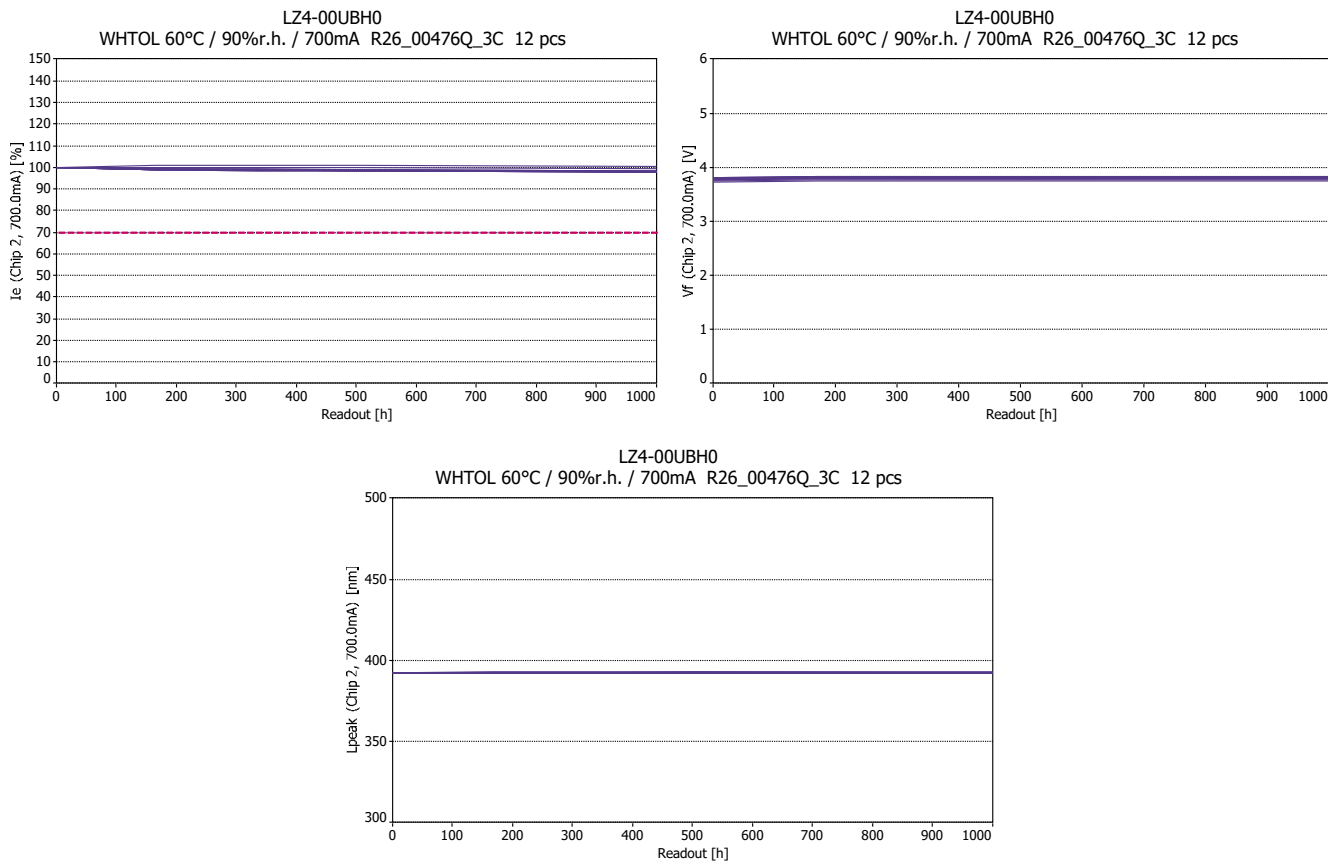
Lot A – Chip 4



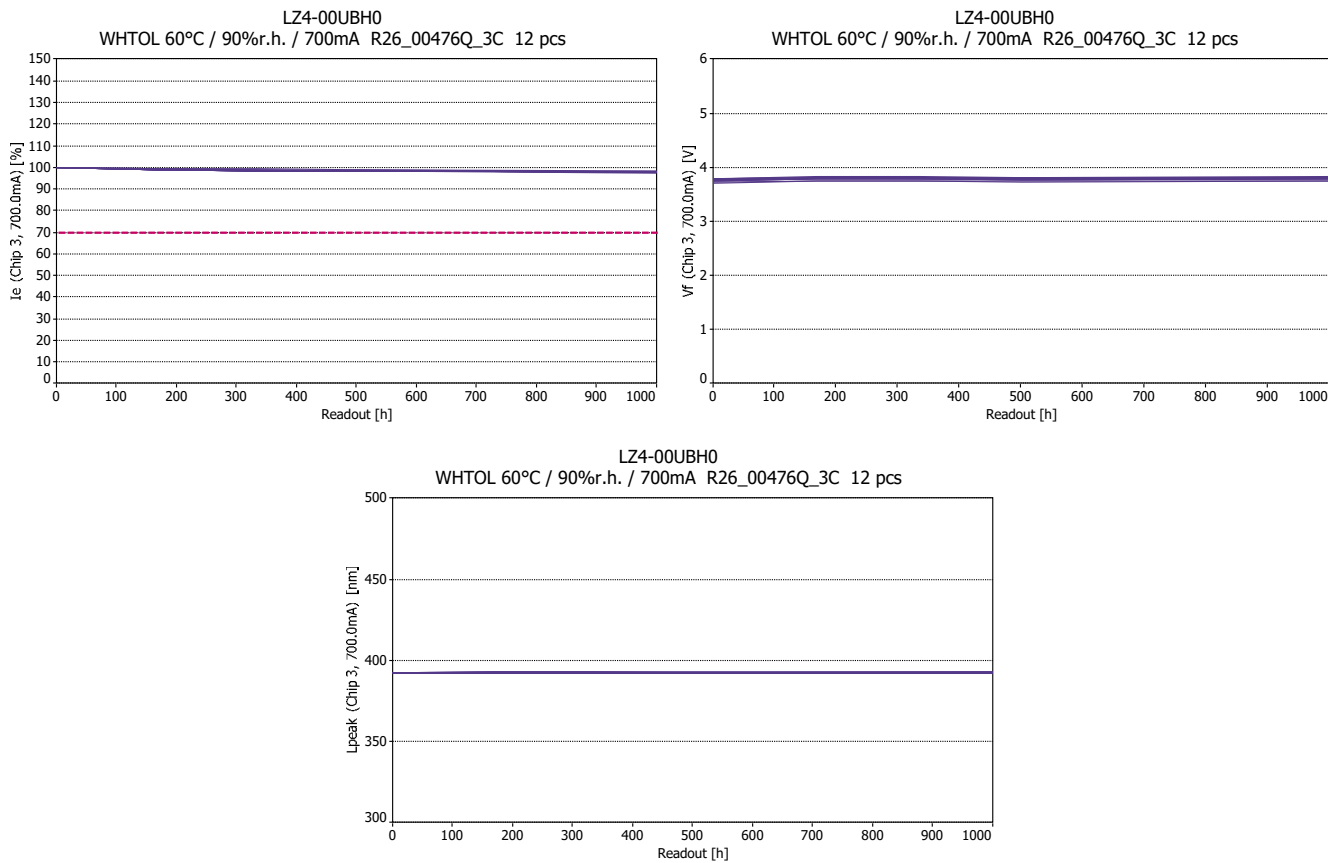
WHTOL 60°C/90%r.H.; 700mA
Lot B – Chip 1



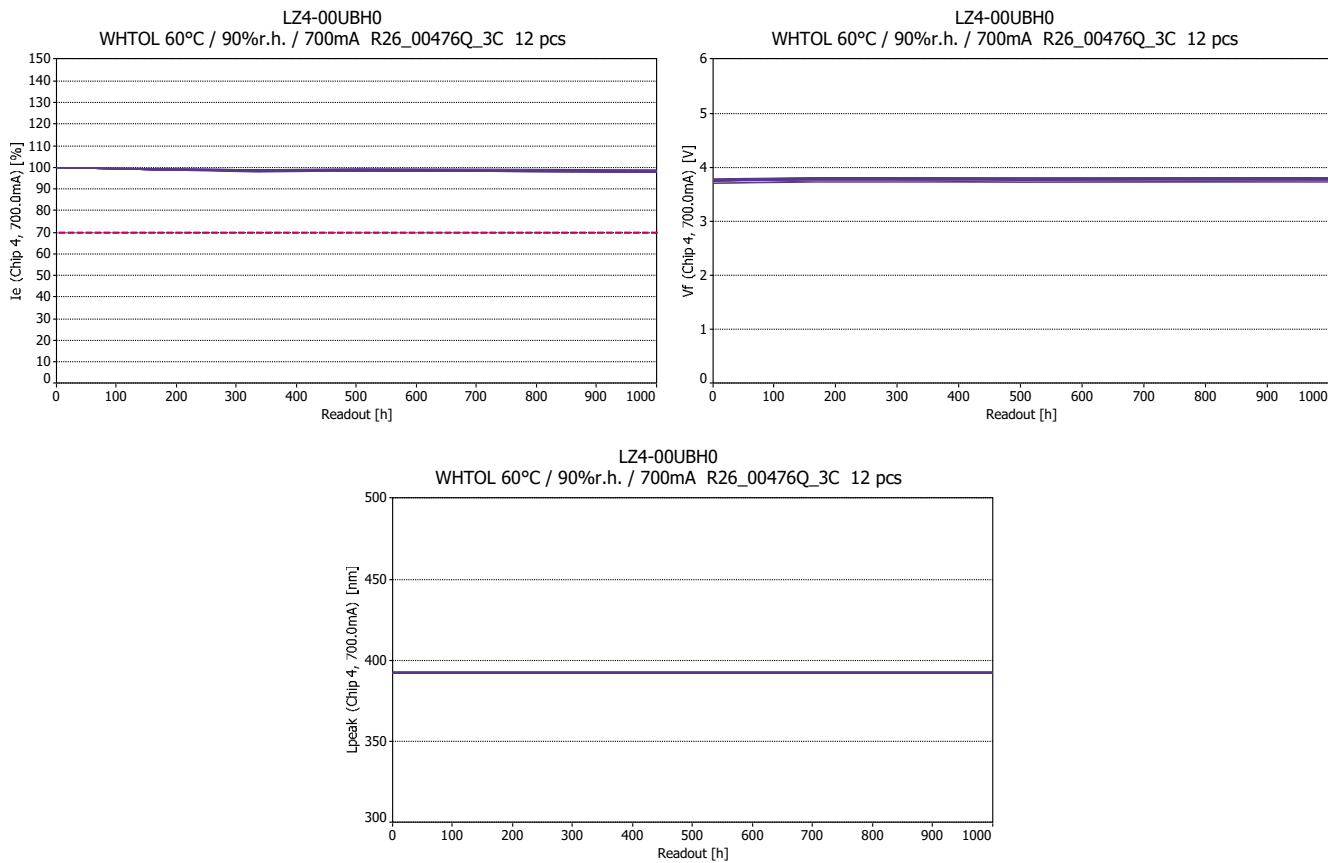
Lot B – Chip 2



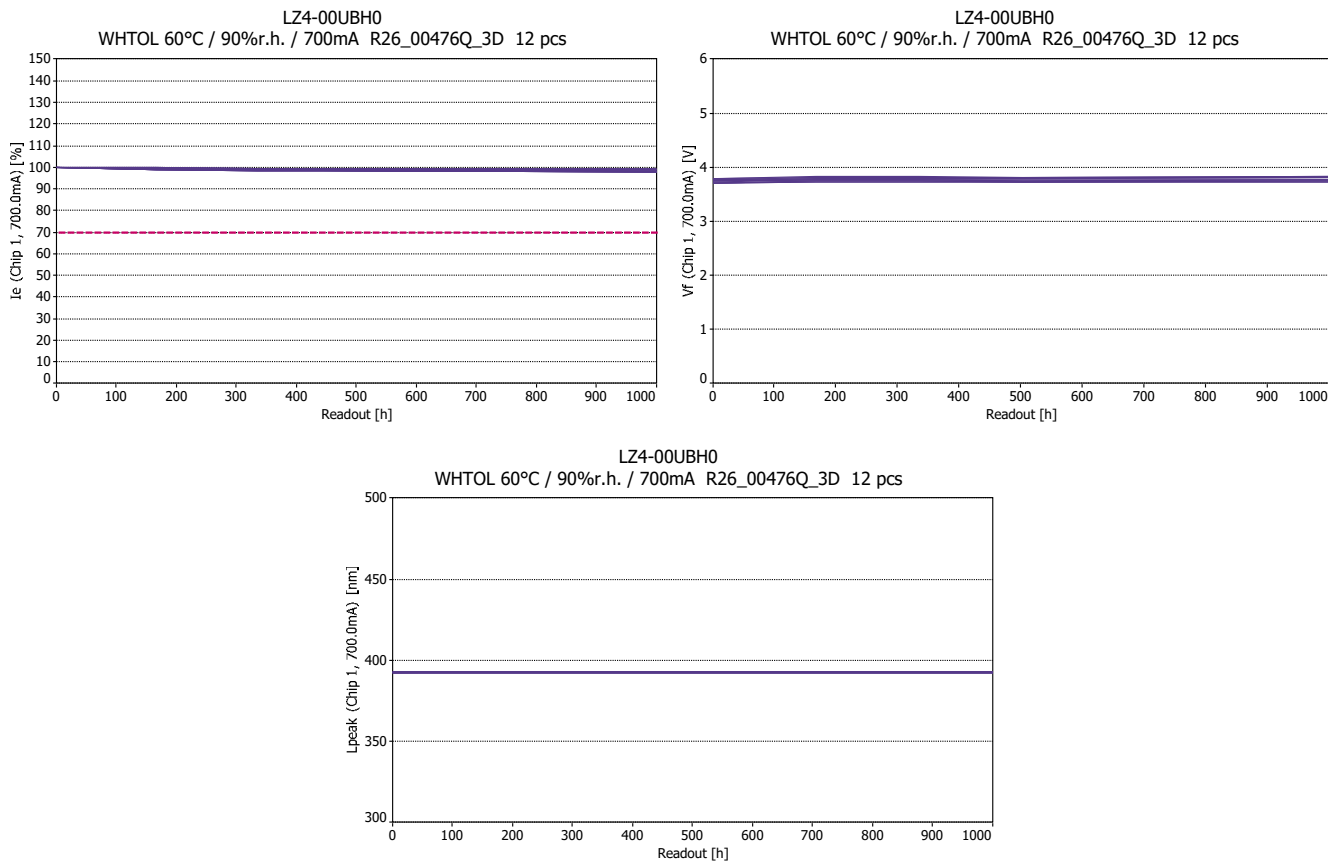
Lot B – Chip 3



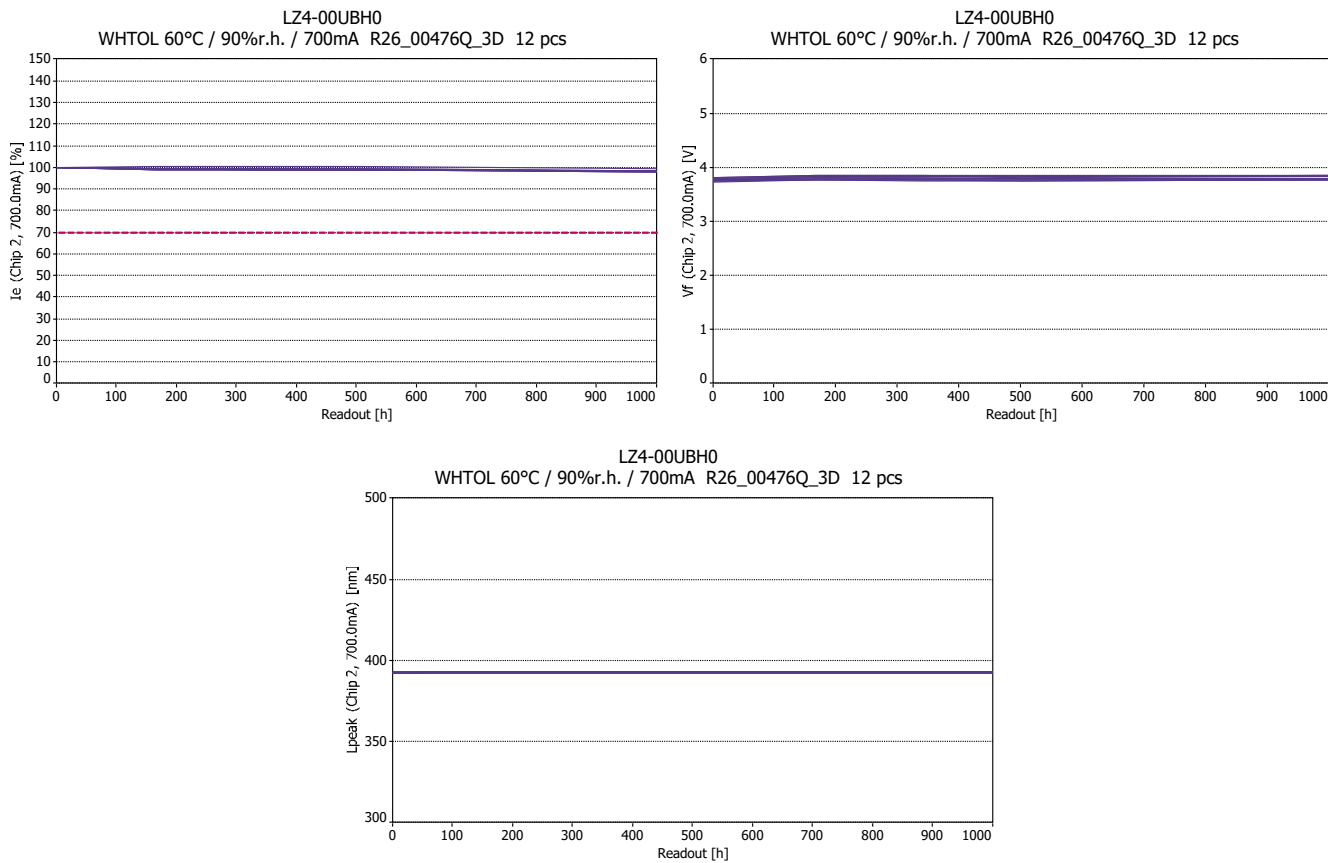
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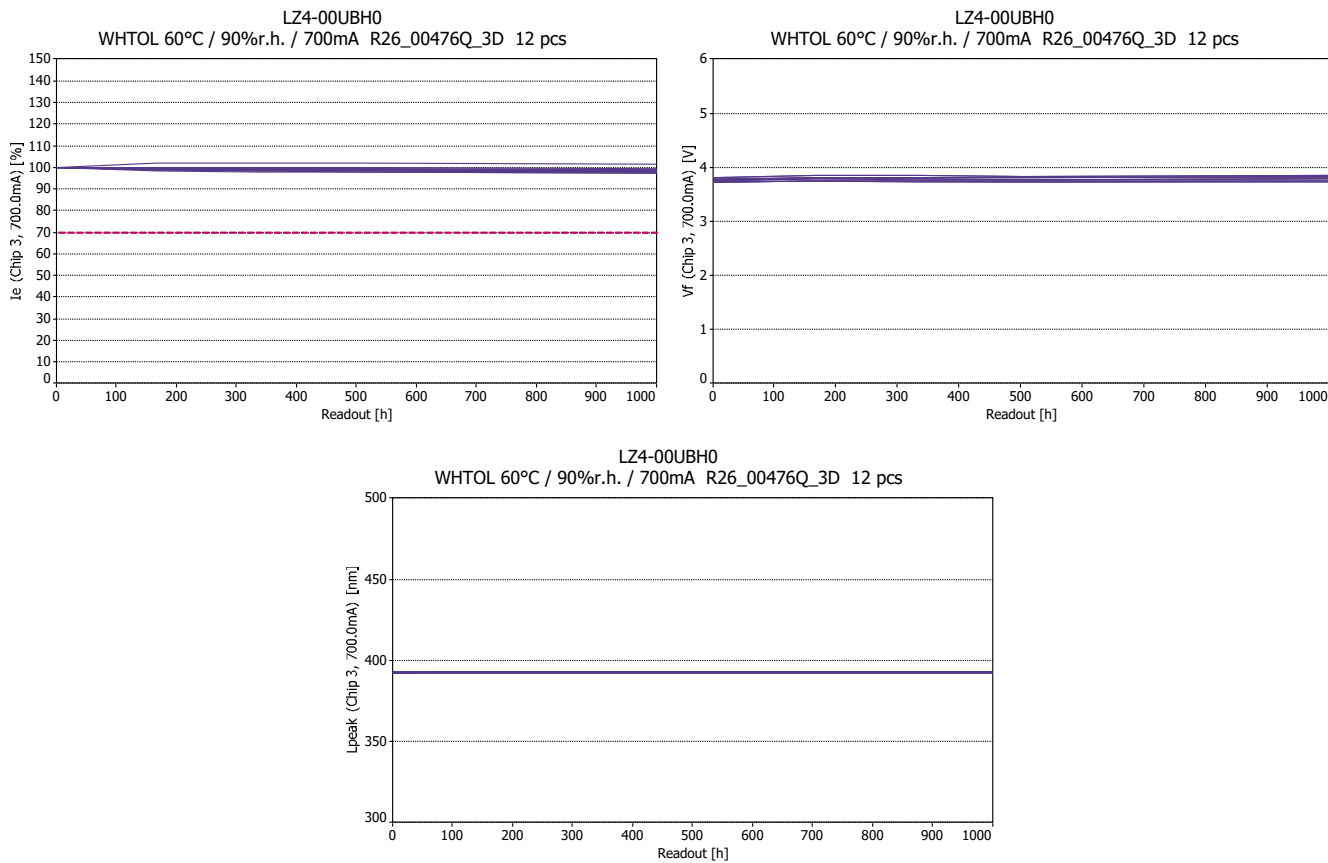
WHTOL 60°C/90%r.H.; 700mA
Lot C – Chip 1



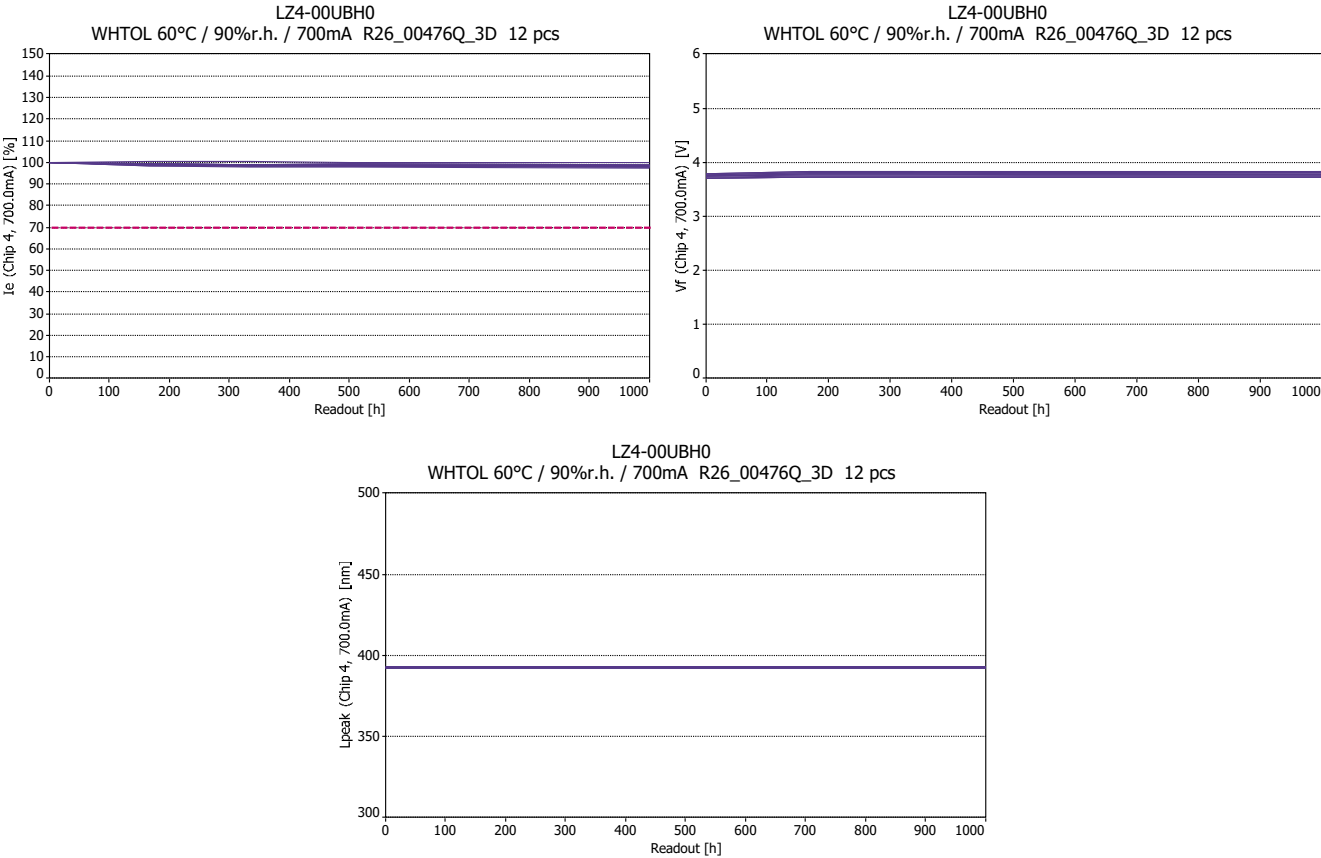
Lot C – Chip 2



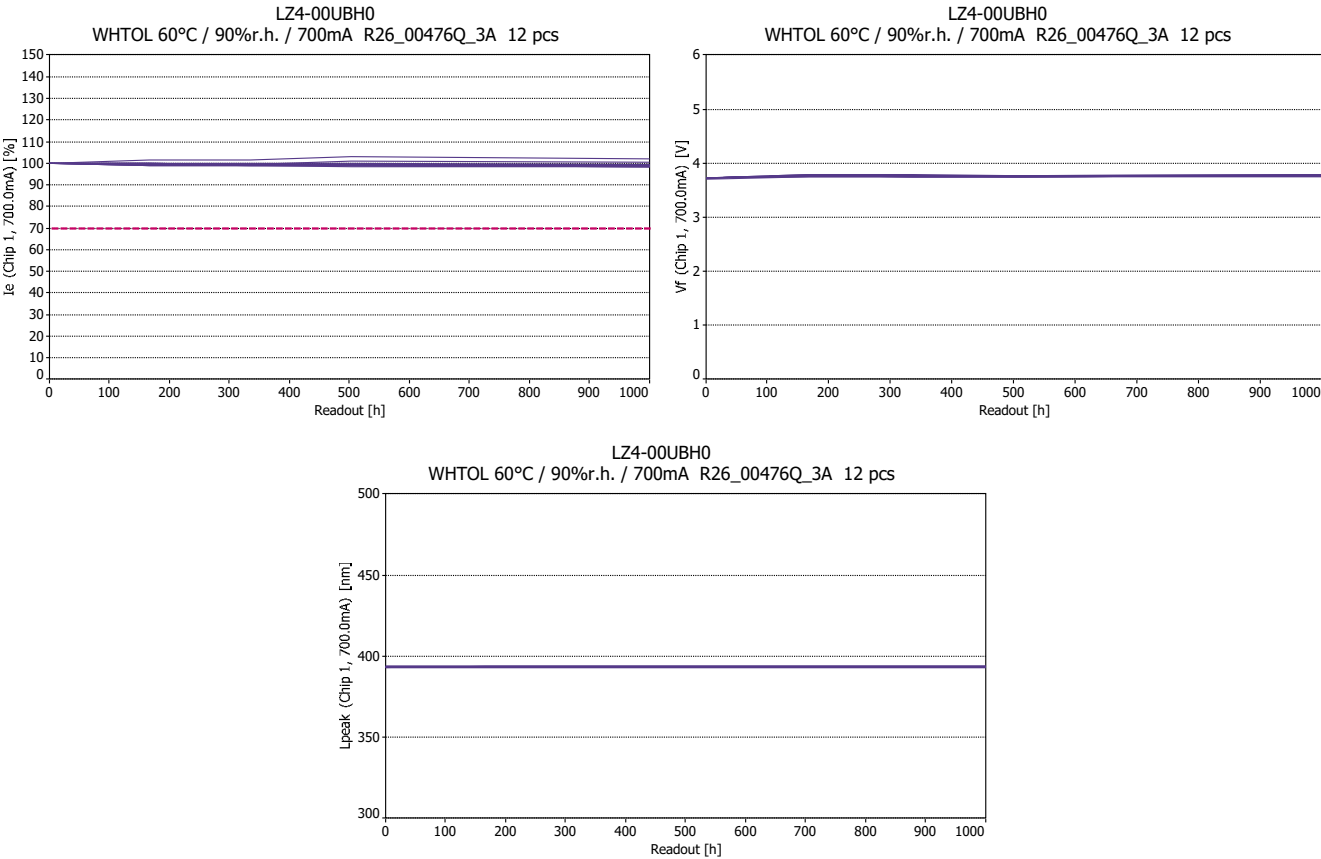
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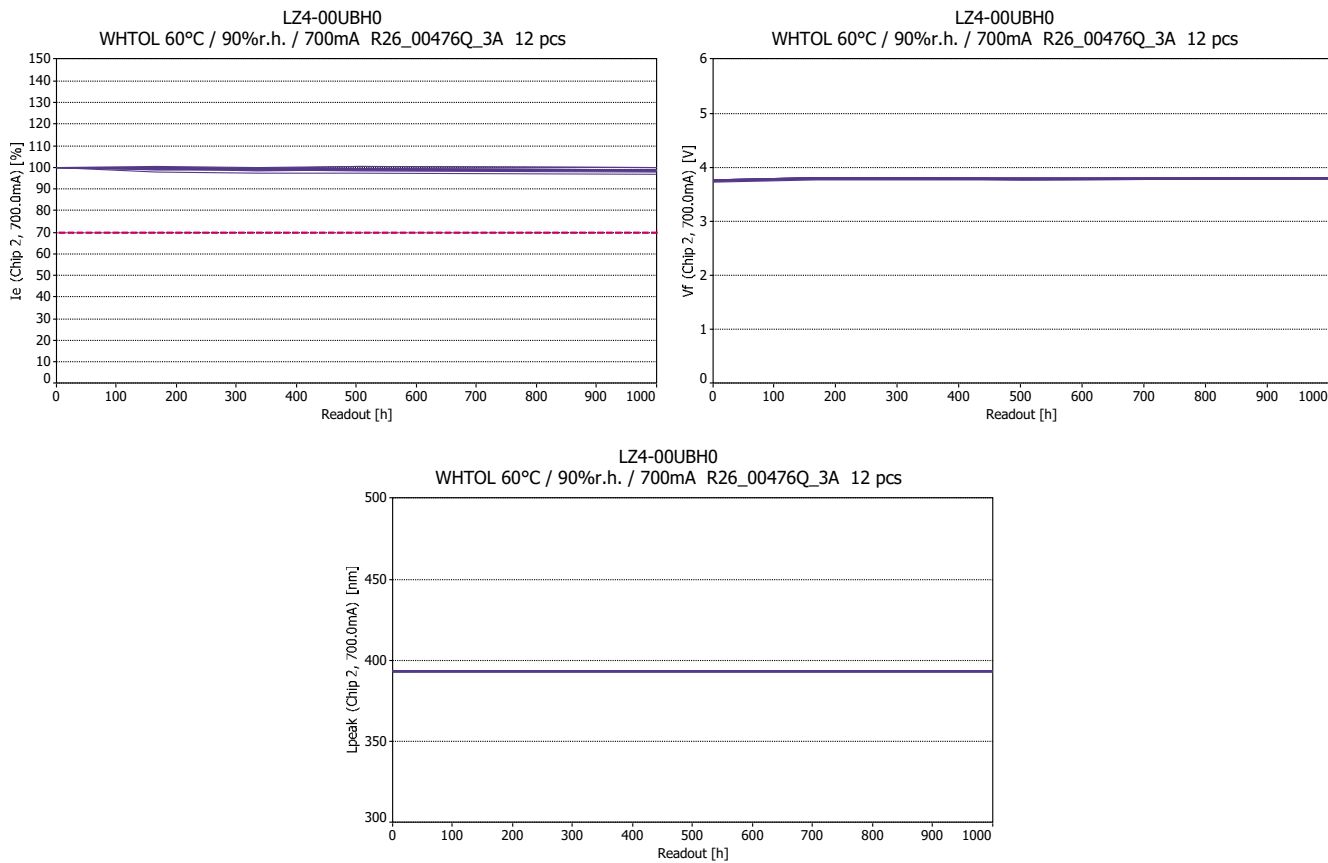
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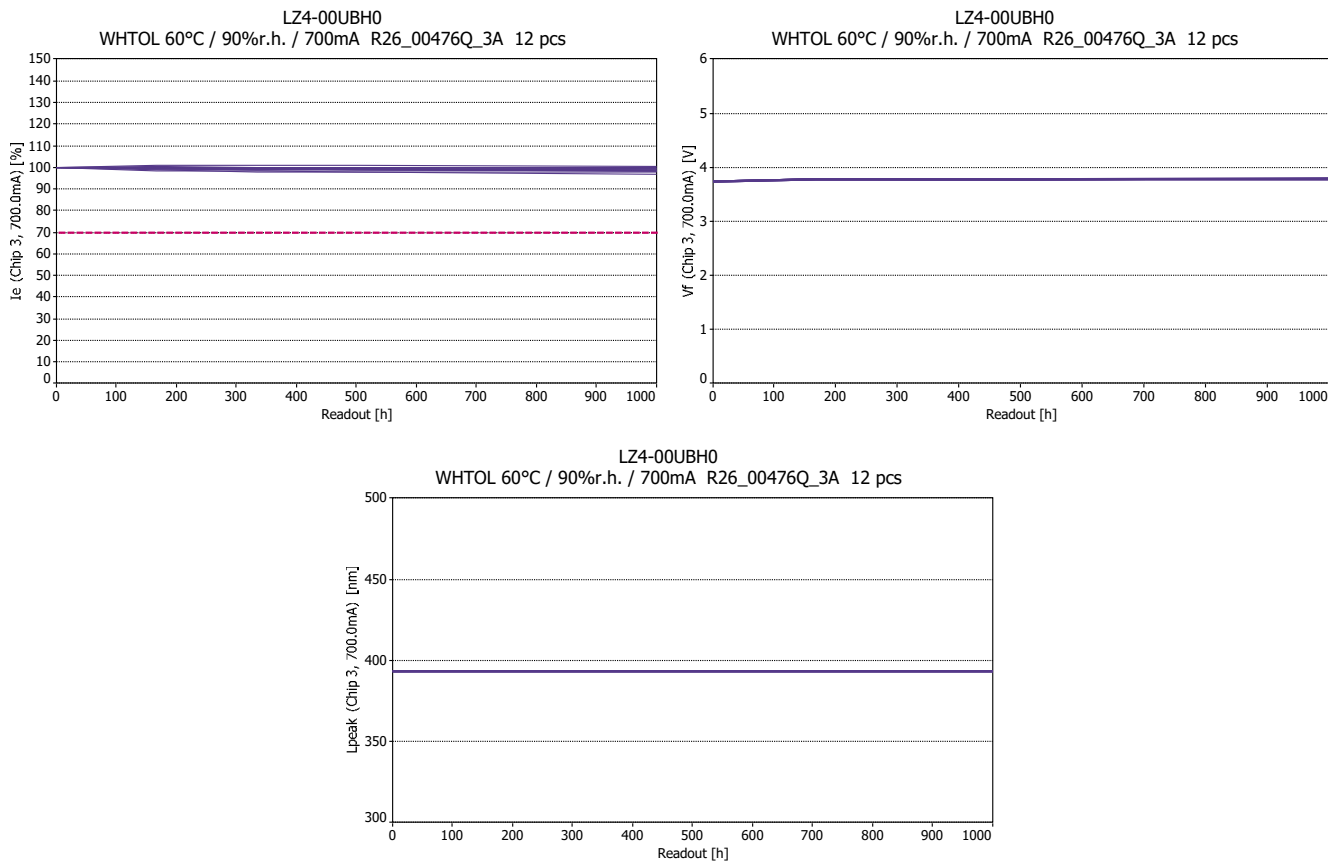
WHTOL 60°C/90%r.H.; 700mA
Lot D – Chip 1



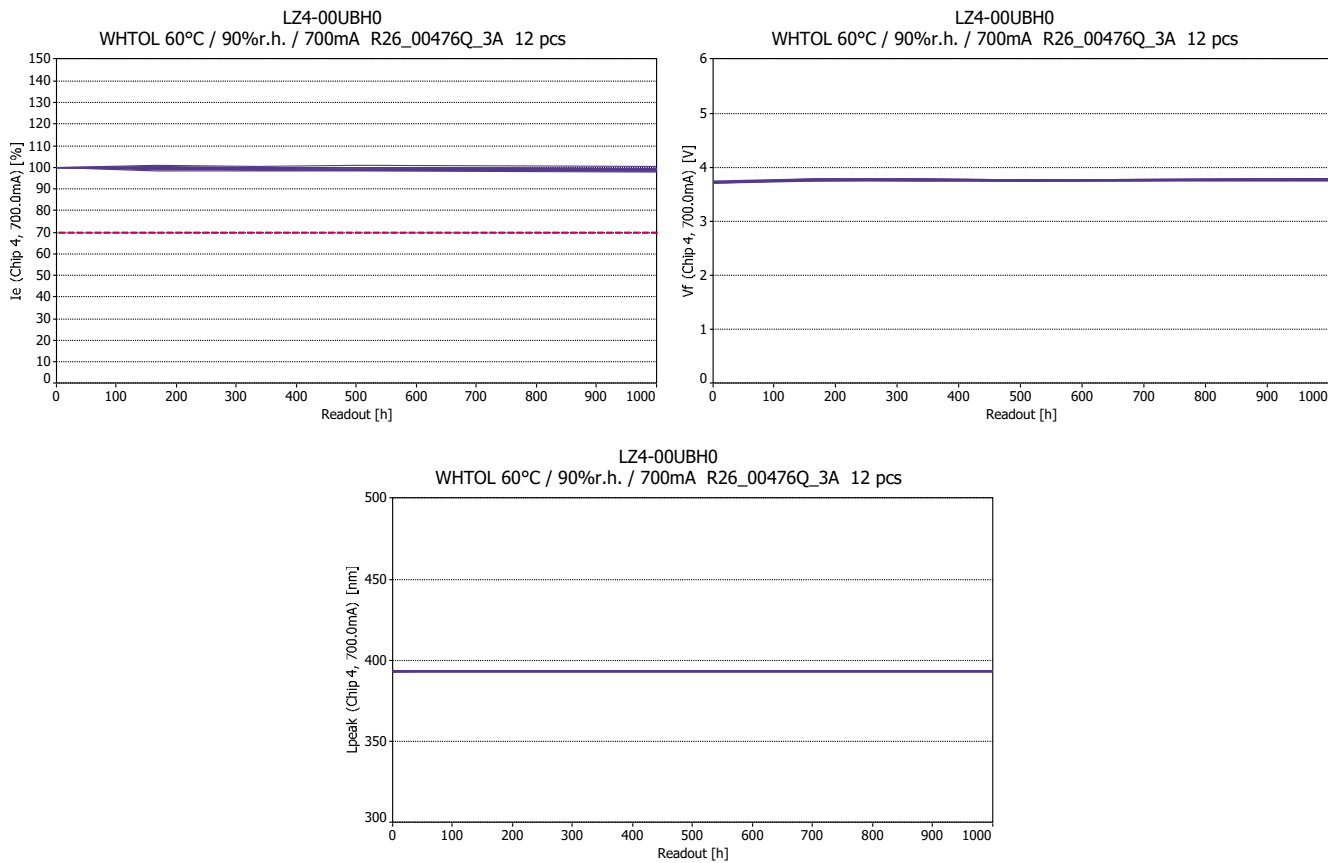
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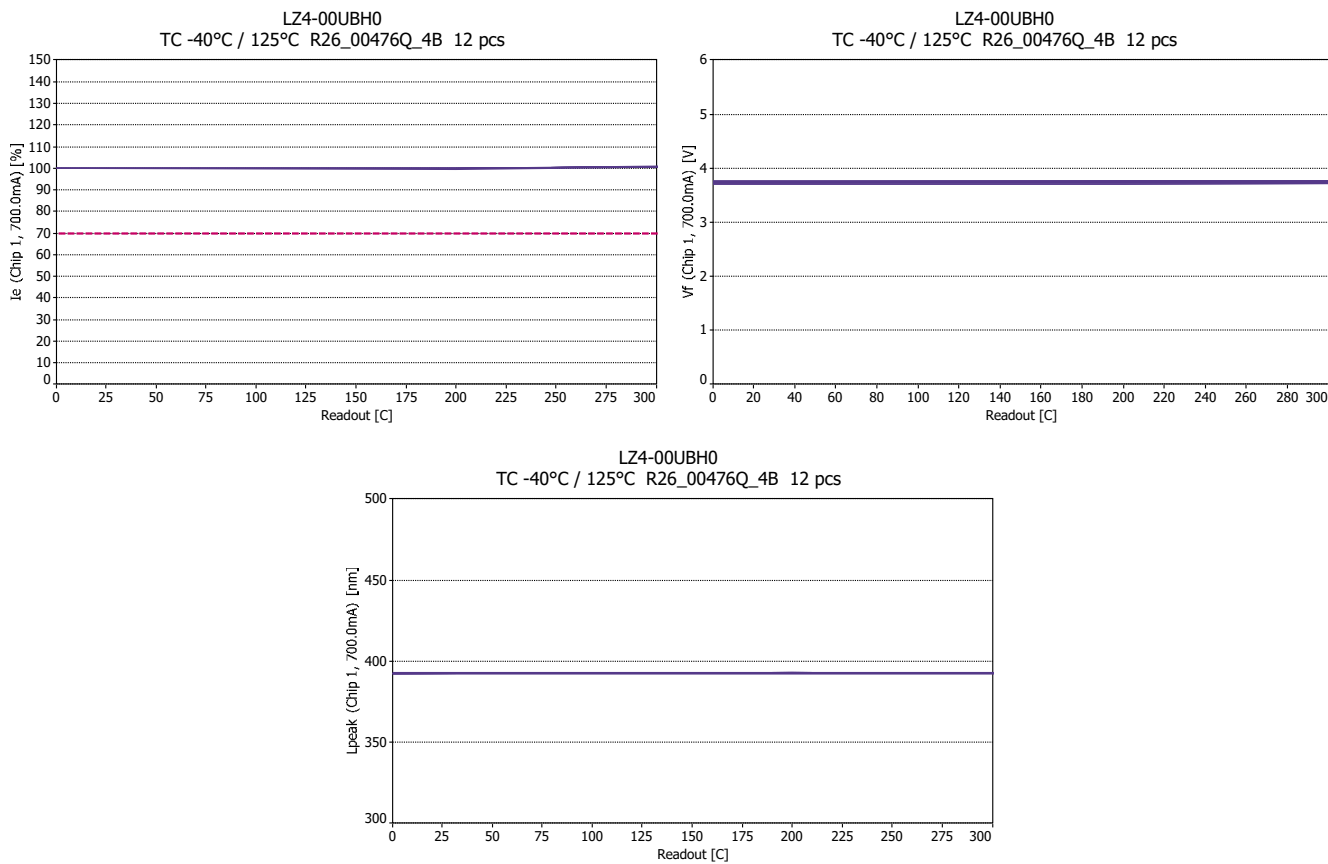
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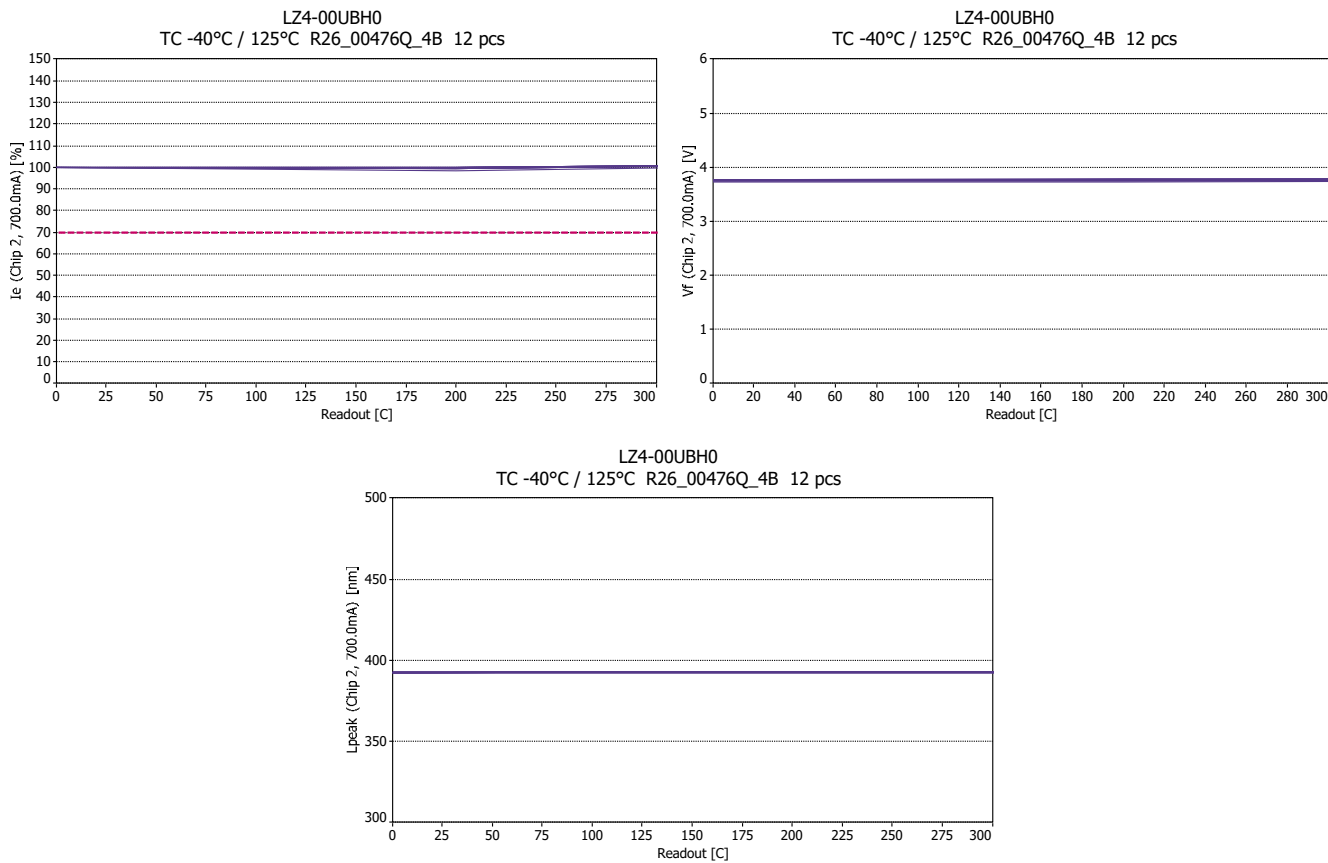
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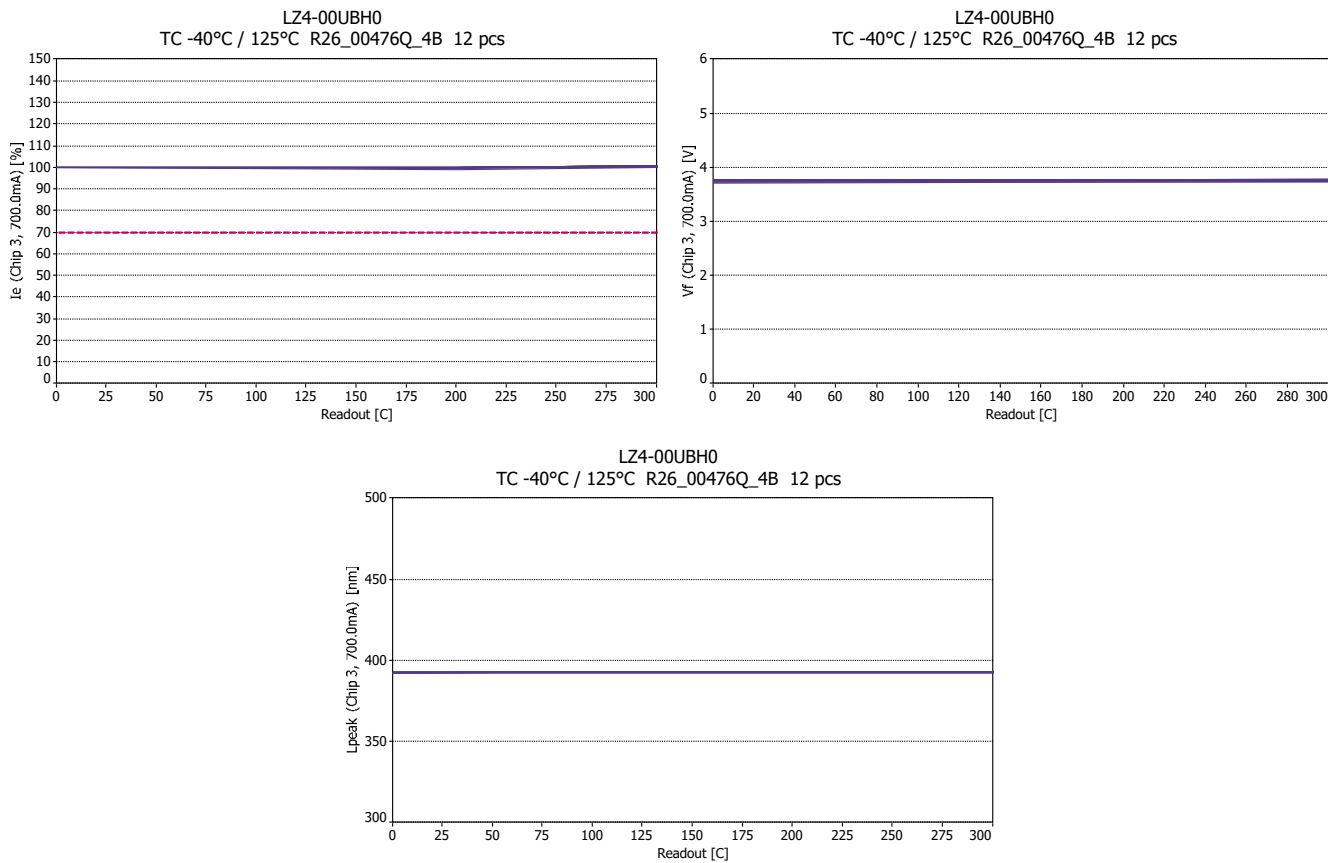
TC -40°C/125°C
Lot A – Chip 1



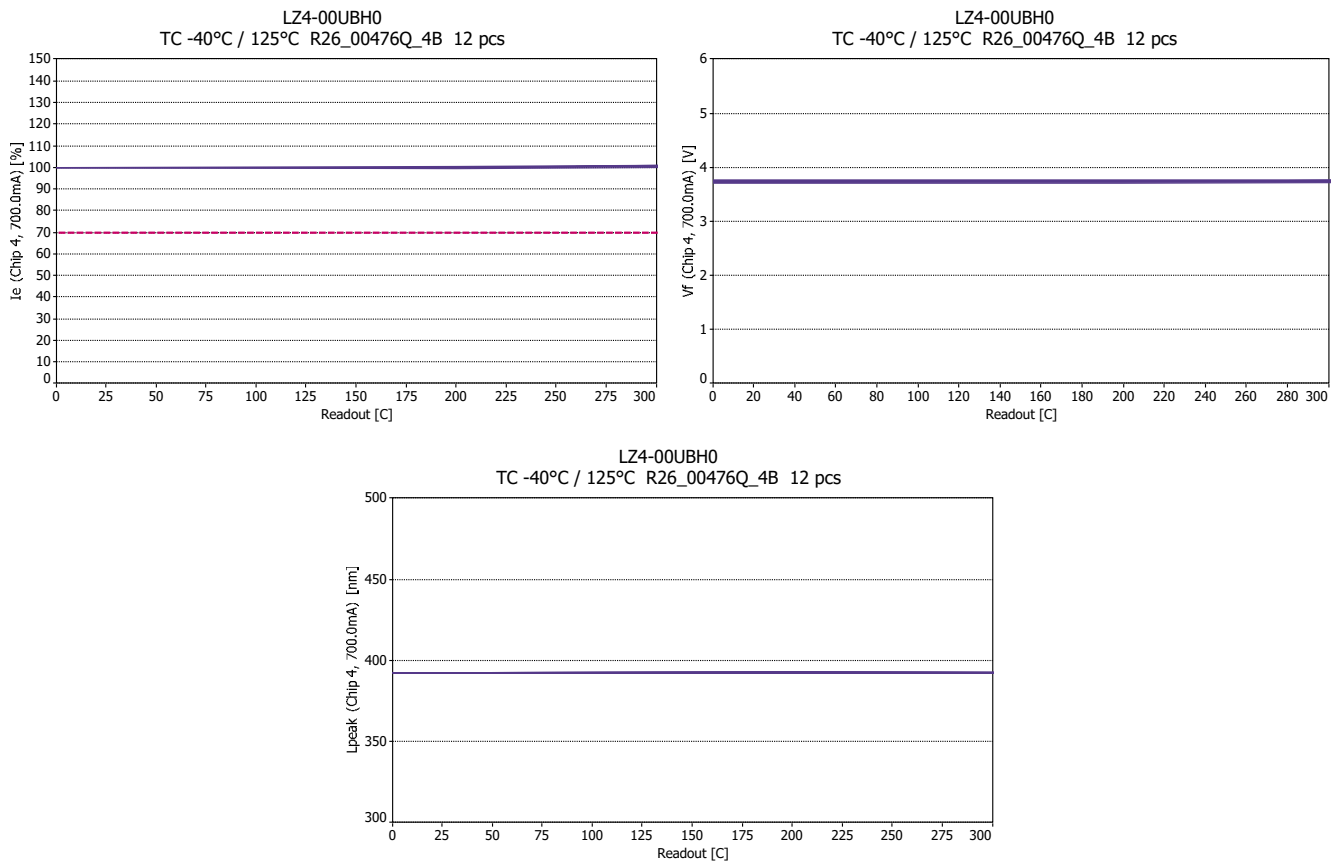
Lot A – Chip 2



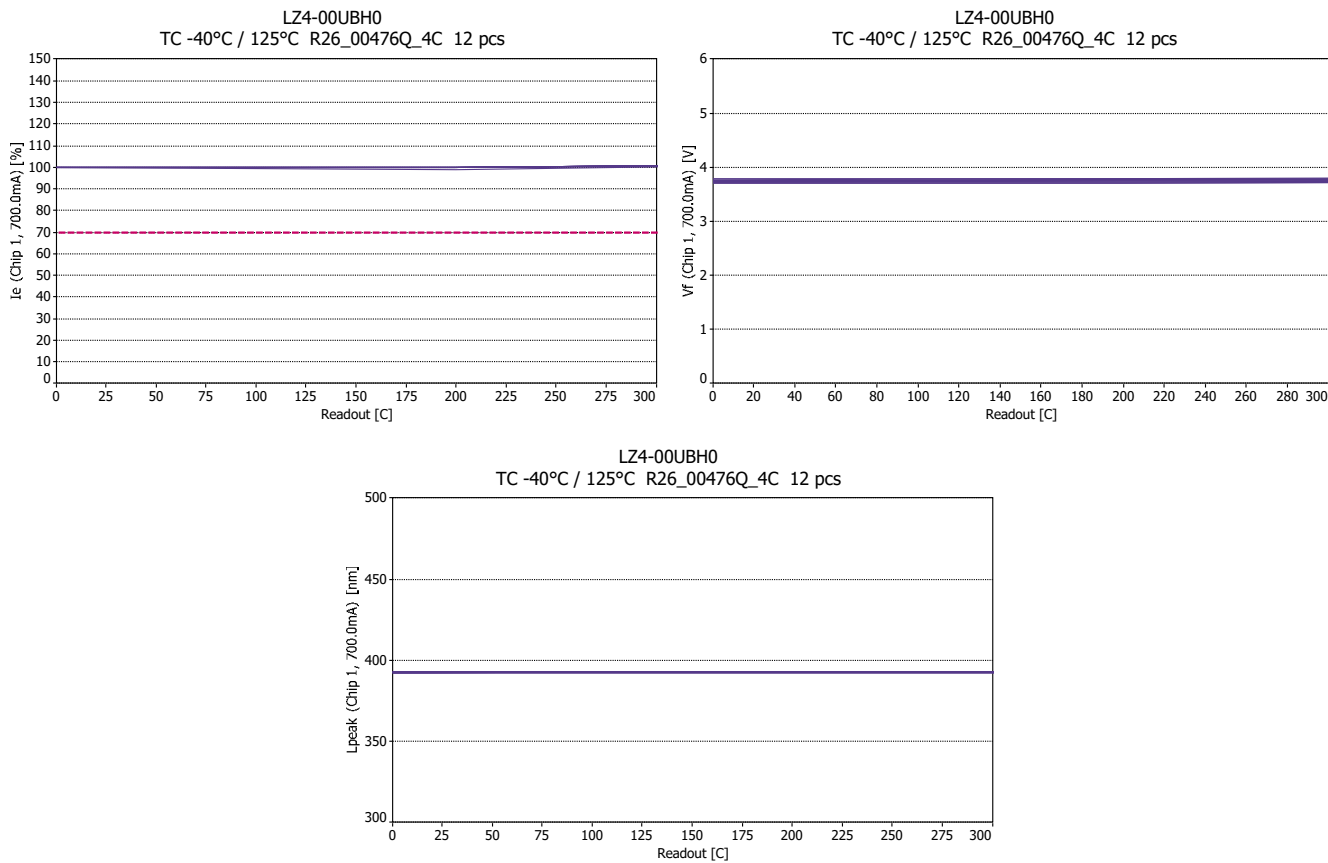
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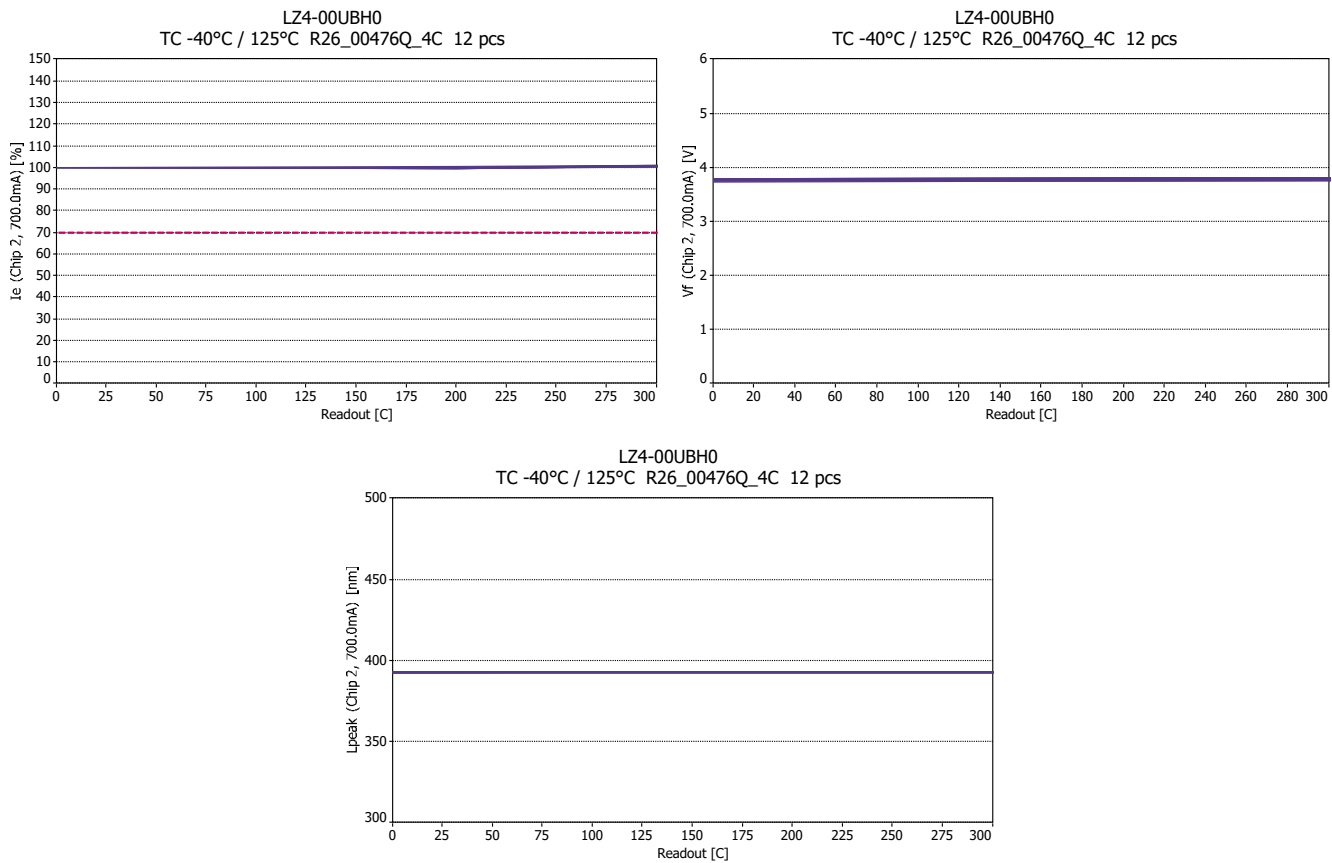
Lot A – Chip 4



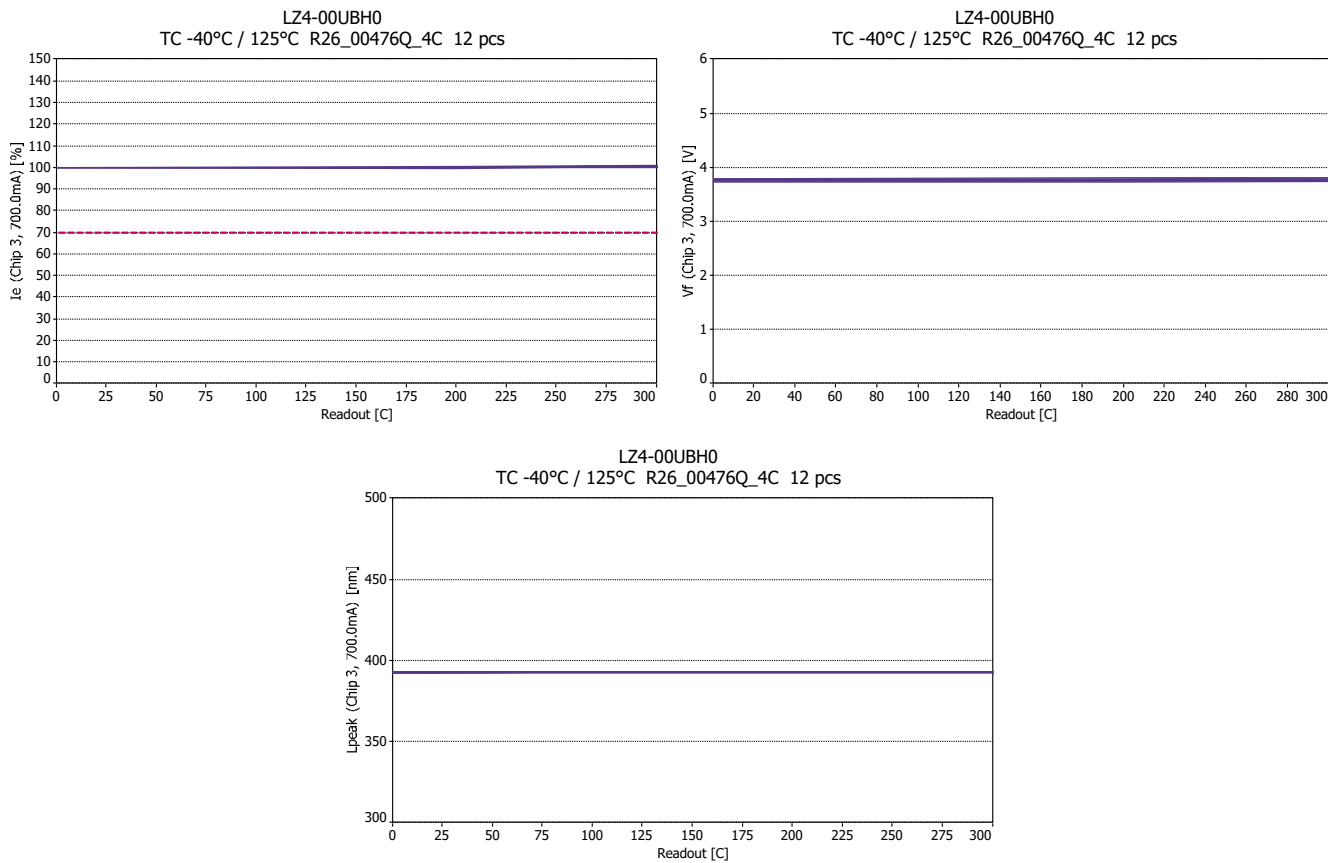
TC -40°C/125°C
Lot B – Chip 1



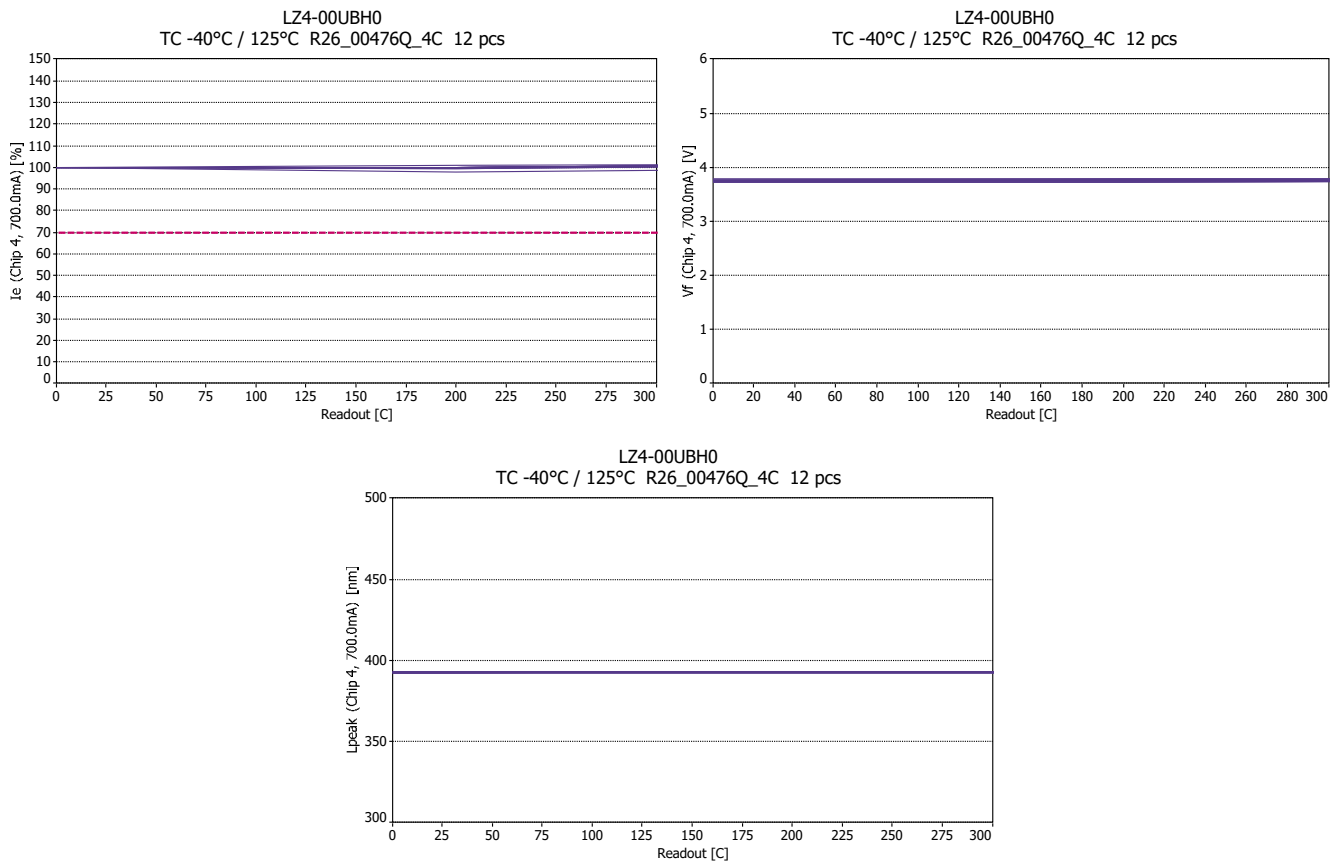
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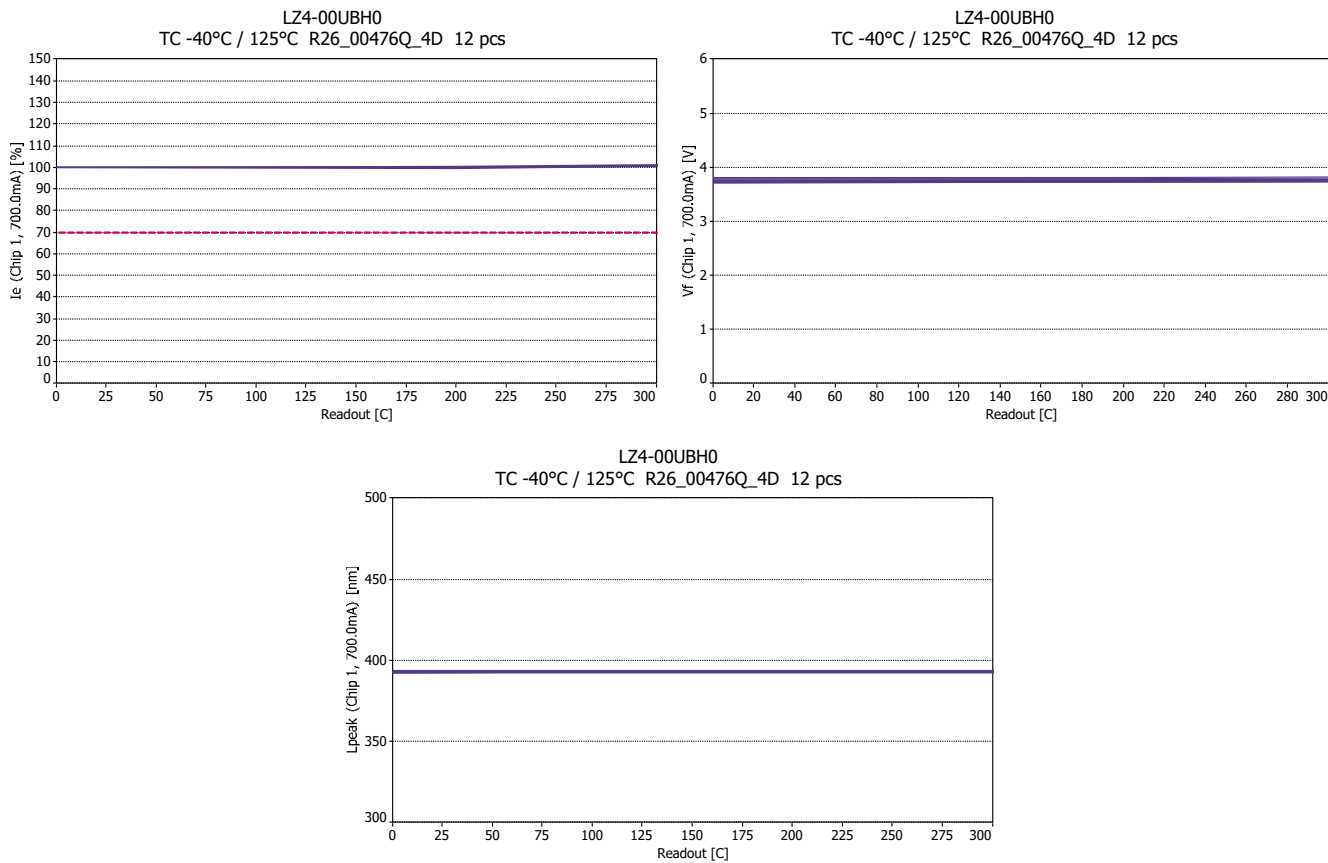
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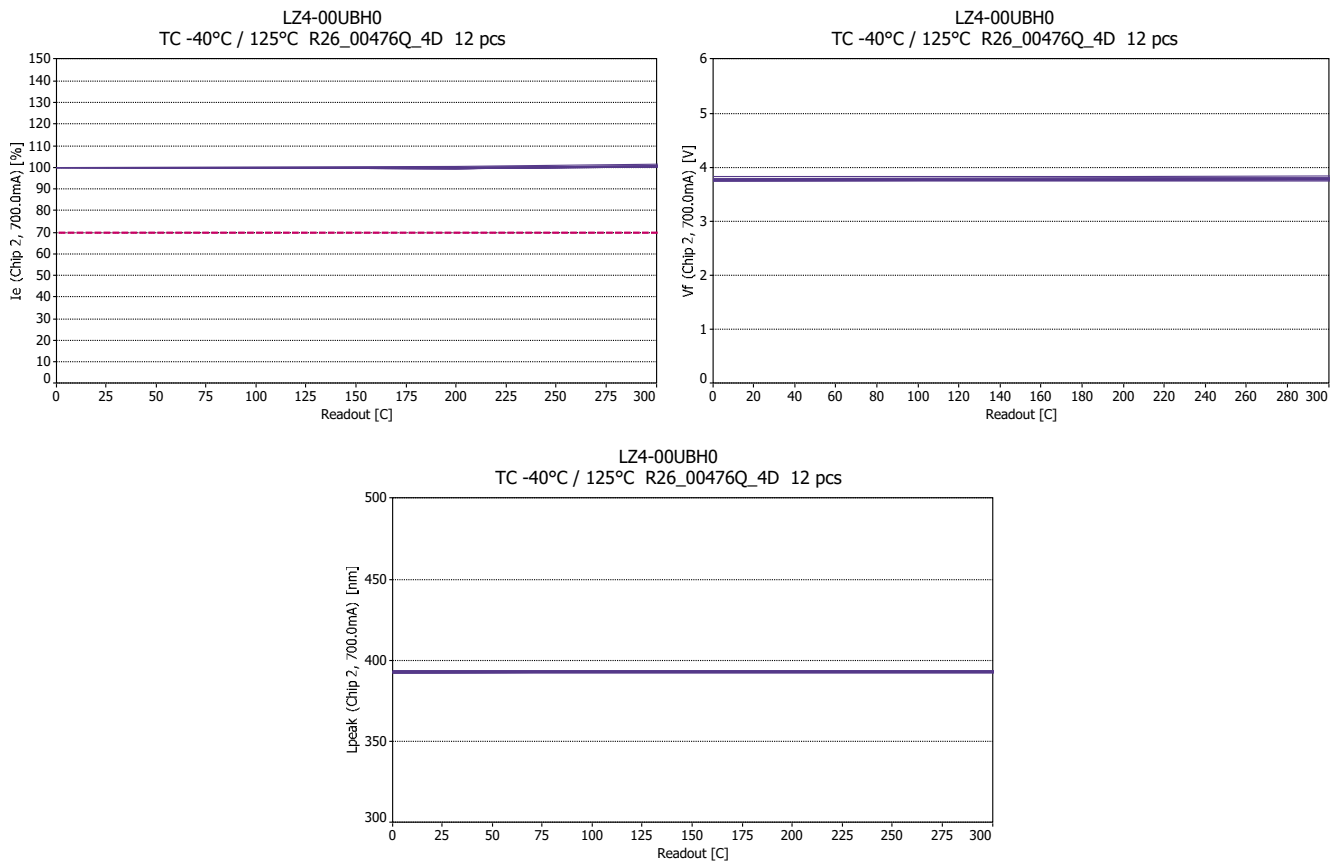
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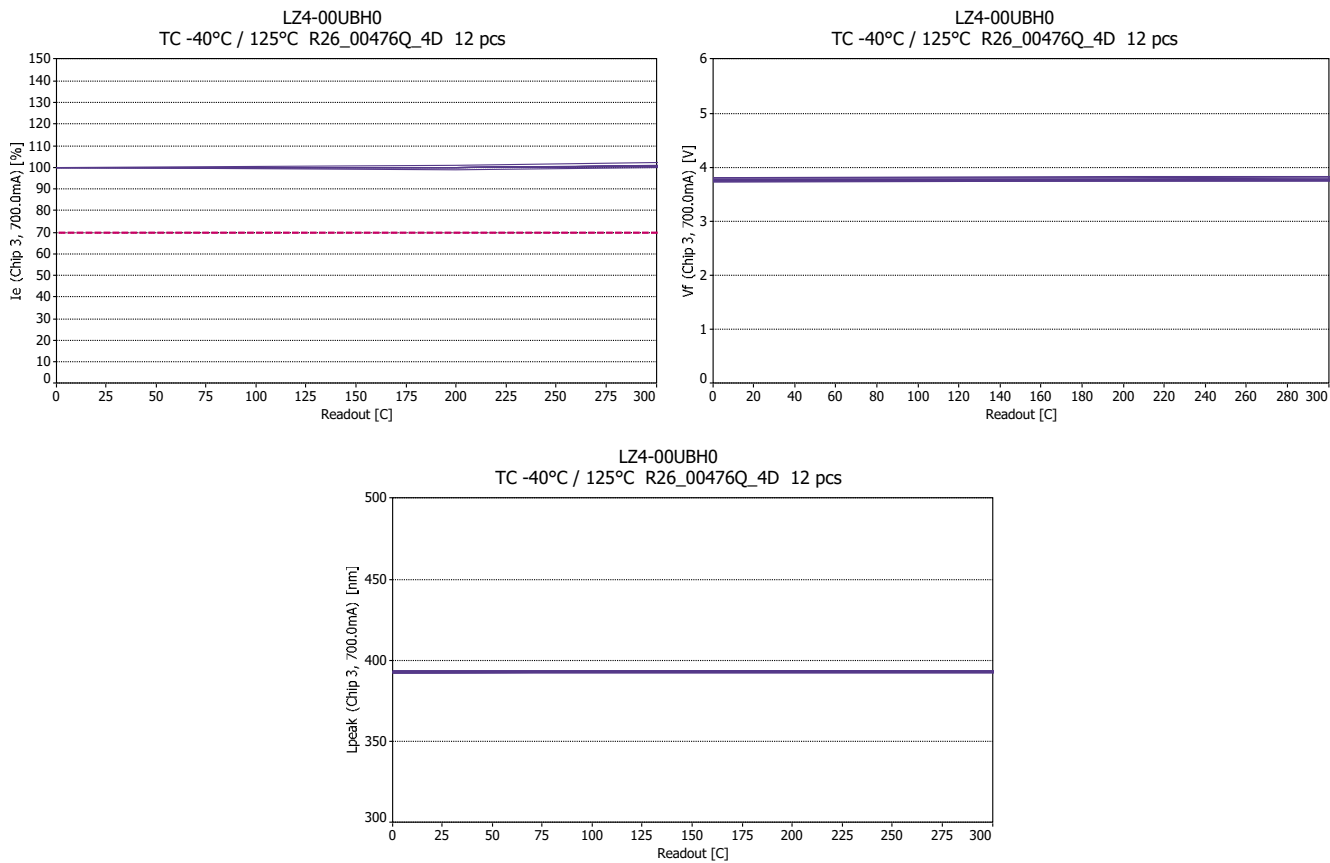
TC -40°C/125°C
Lot C – Chip 1



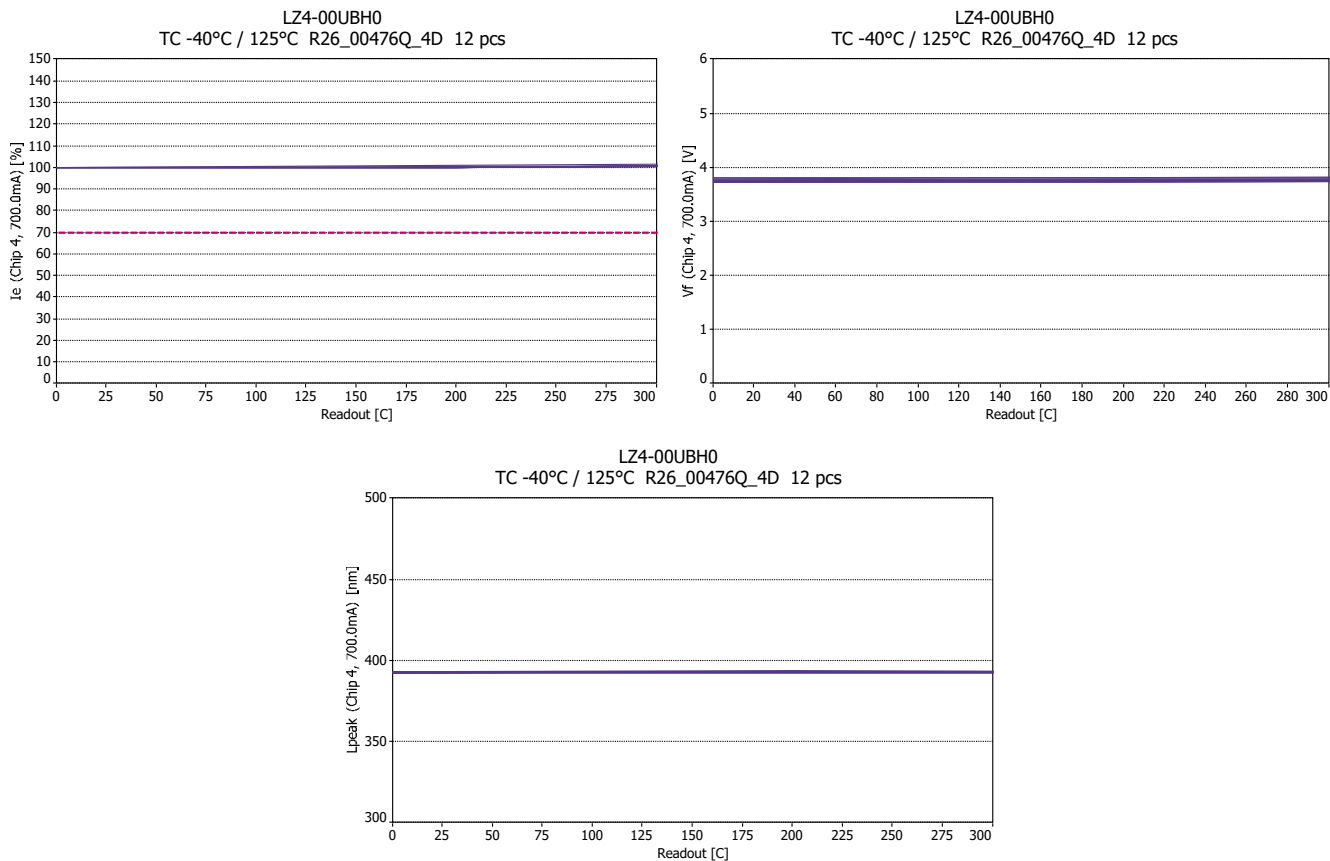
Lot C – Chip 2



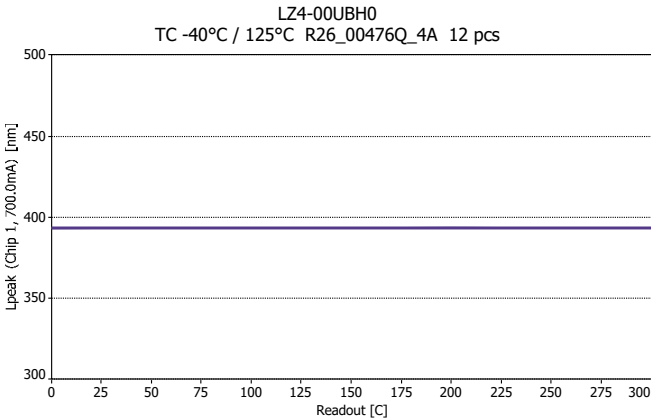
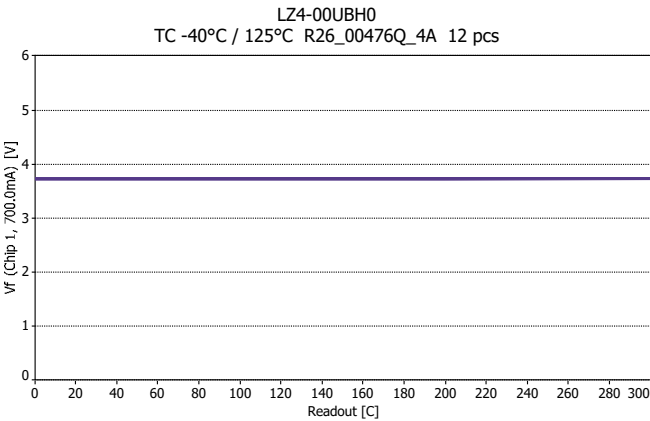
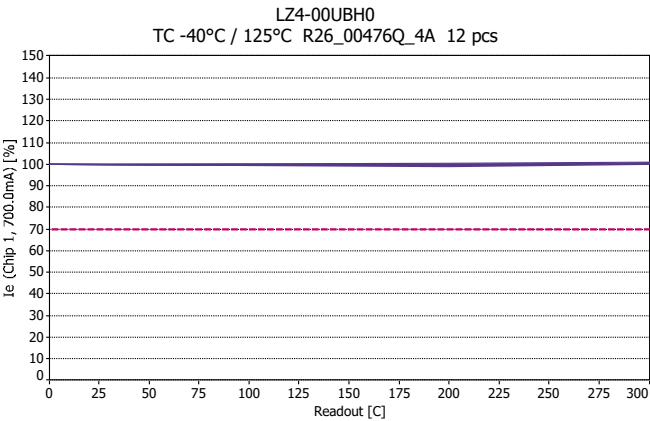
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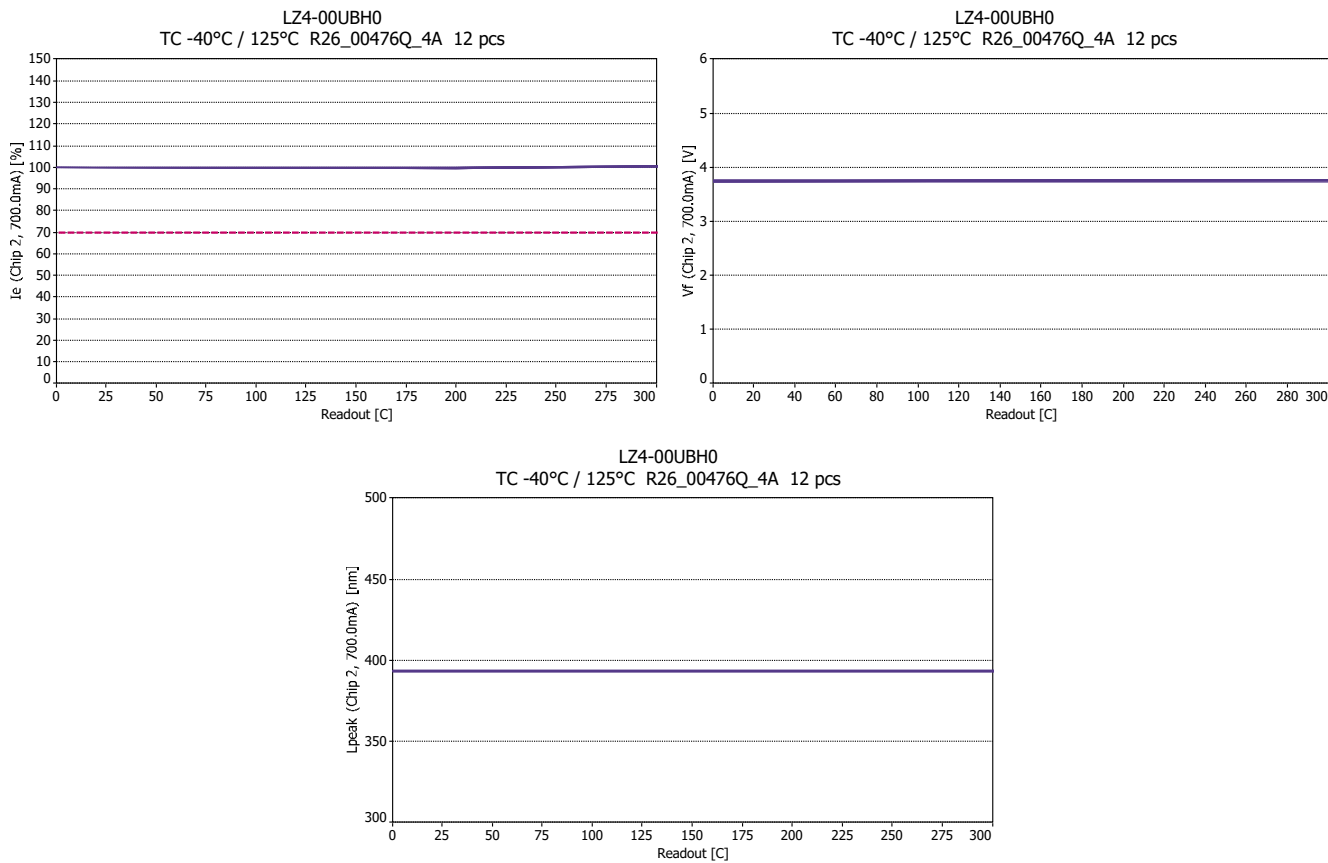
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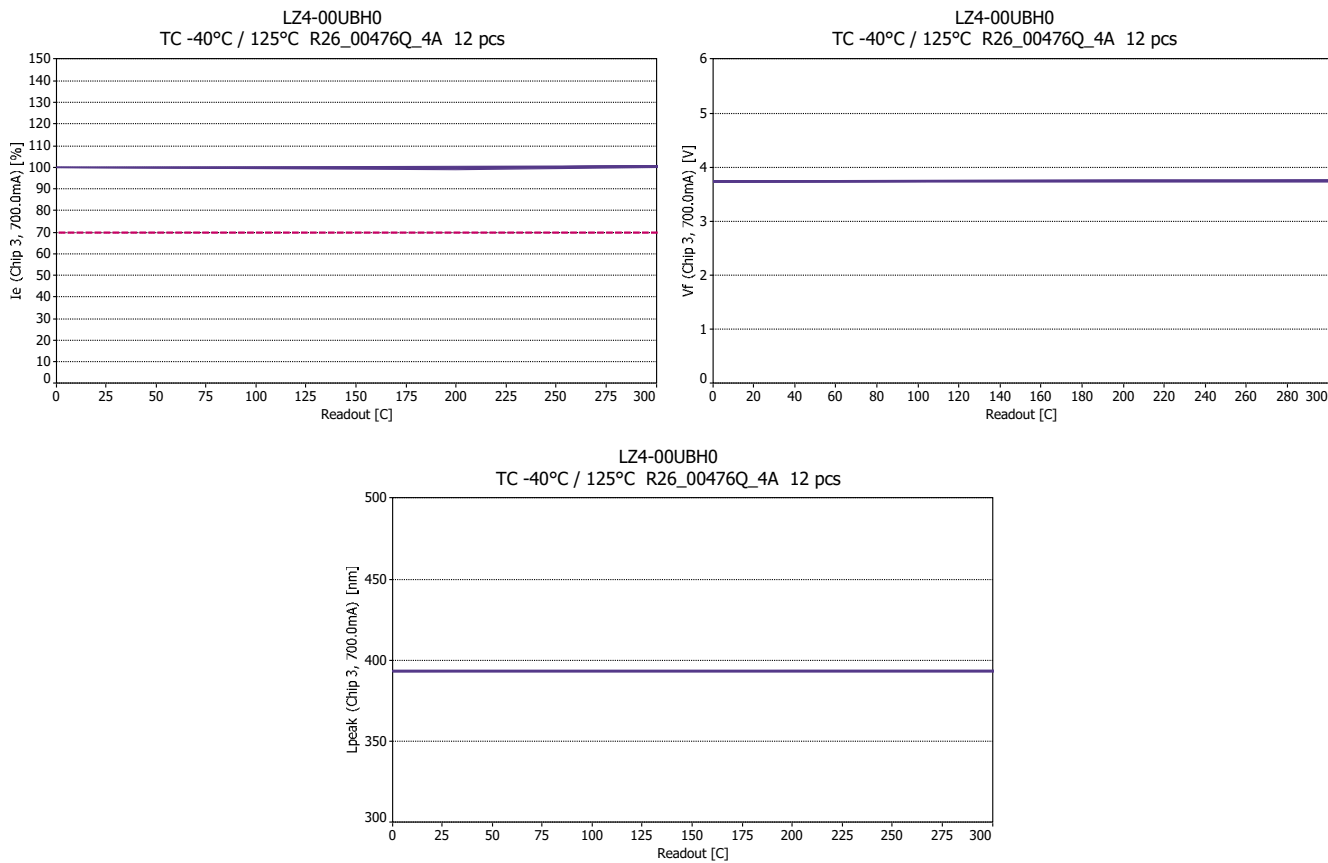
TC -40°C/125°C
Lot D – Chip 1



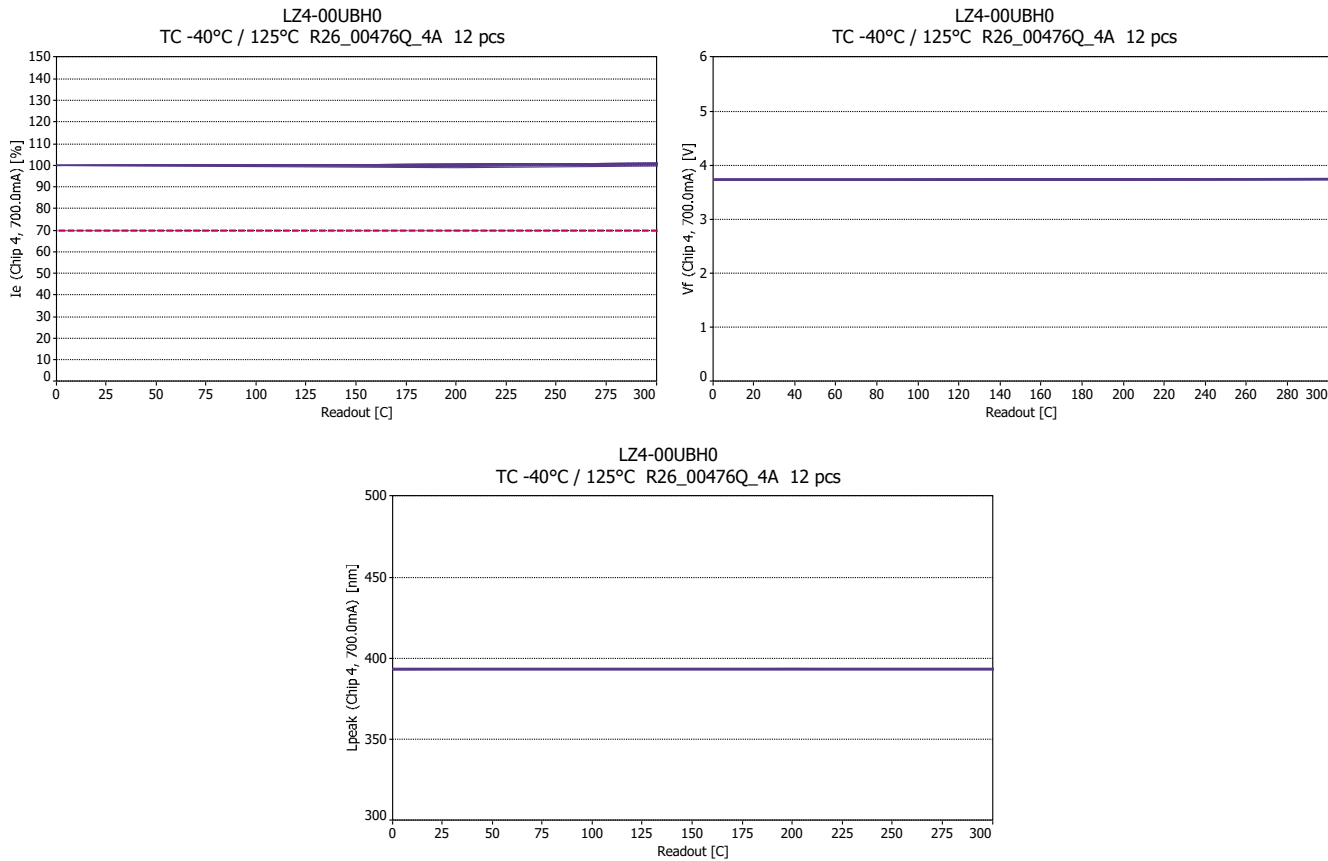
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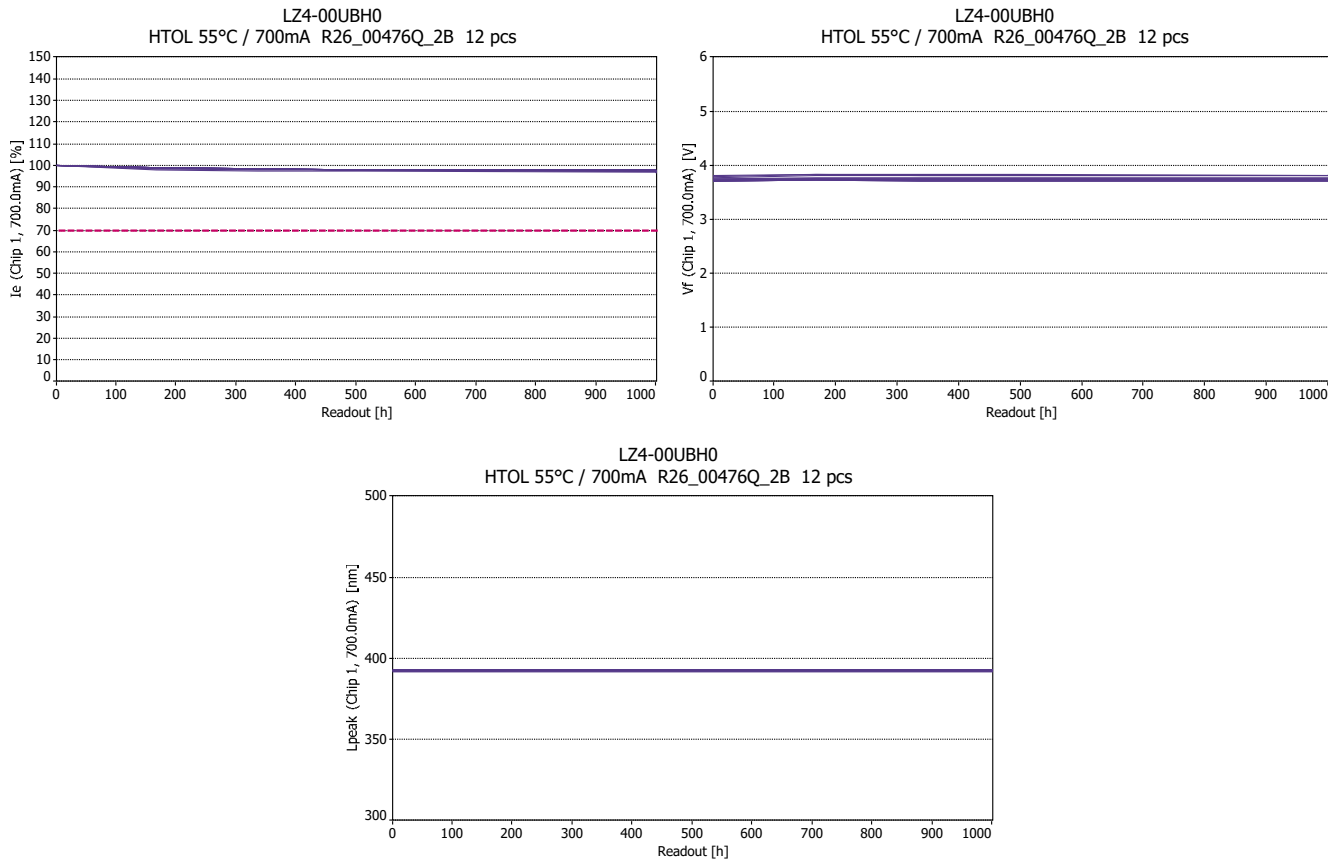
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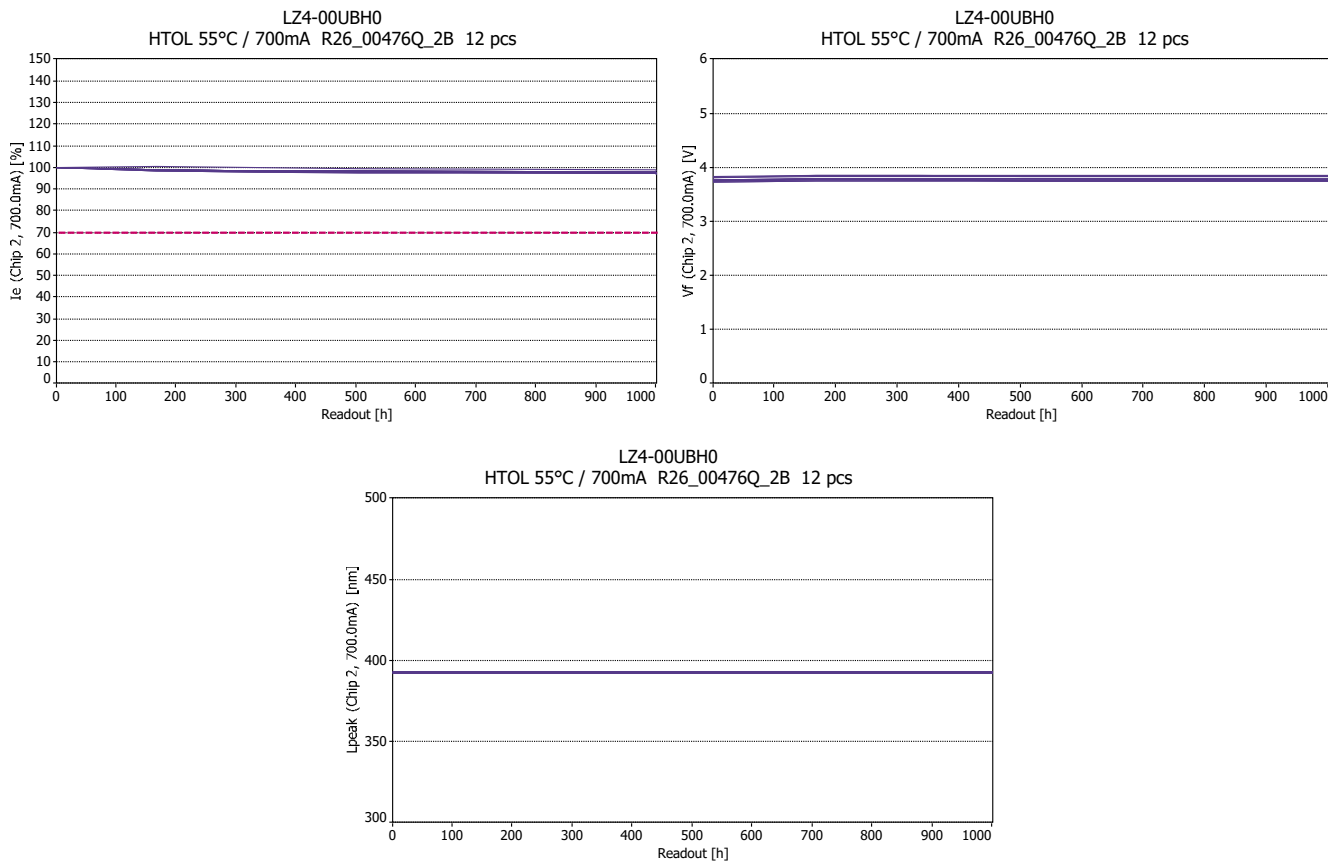
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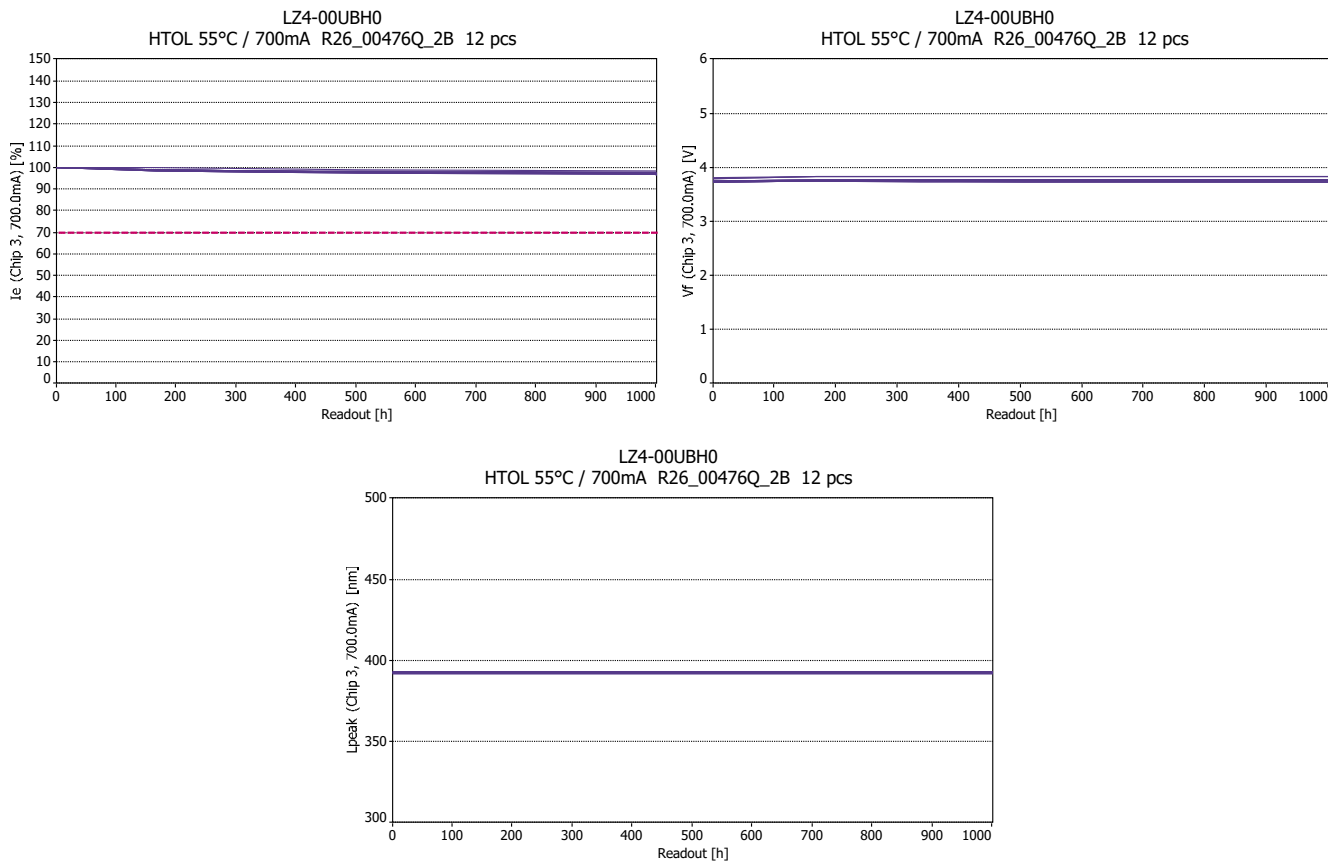
HTOL 55°C/700mA
Lot A – Chip 1



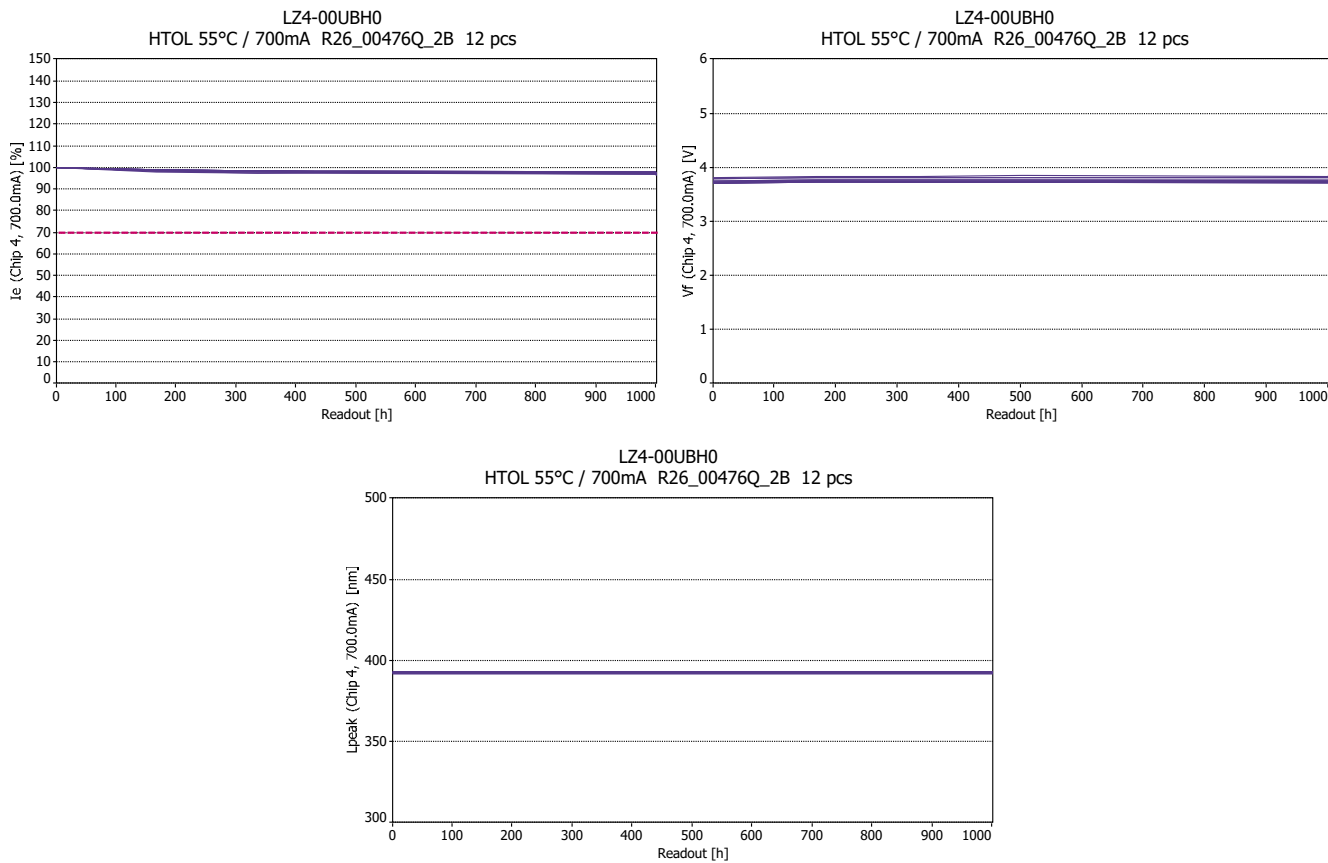
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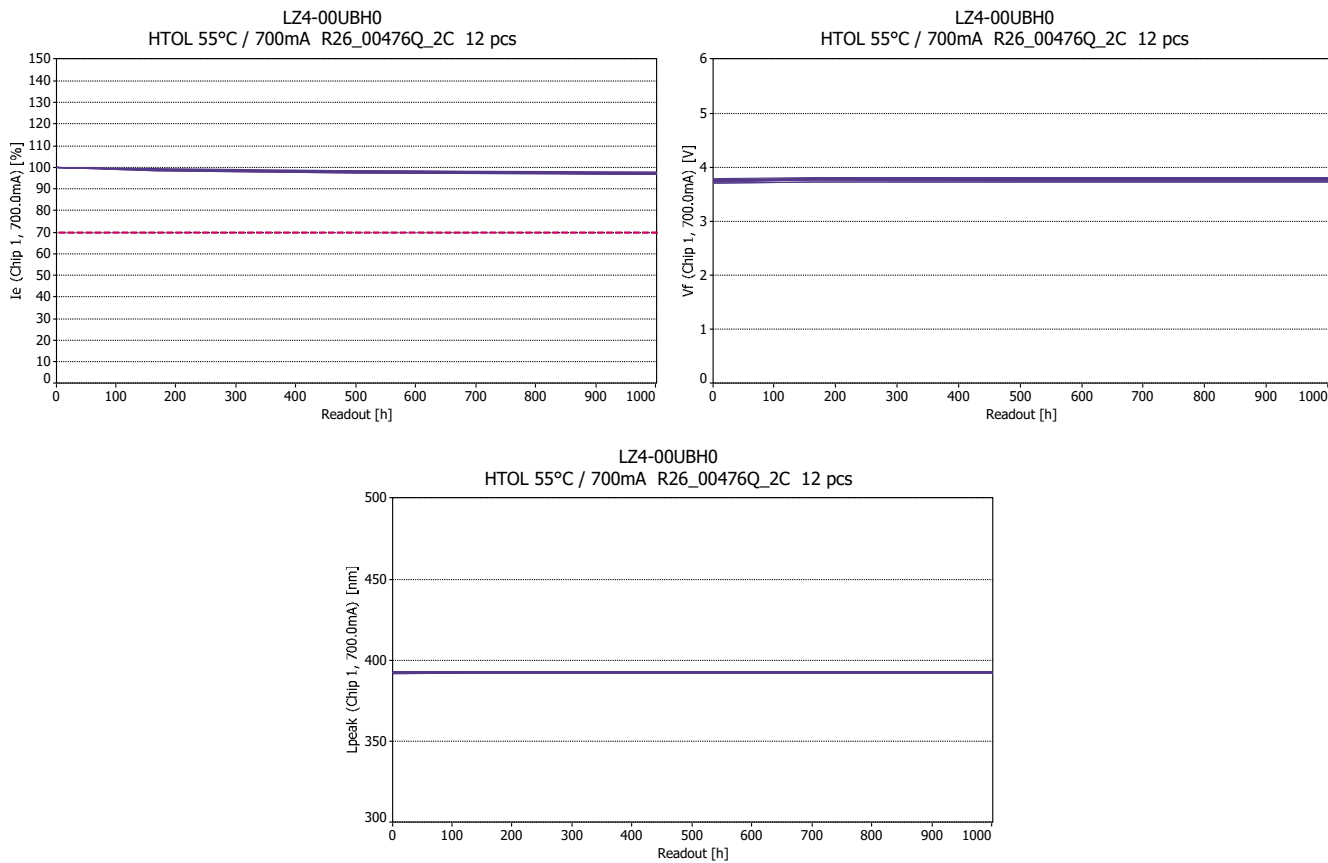
Lot A – Chip 3



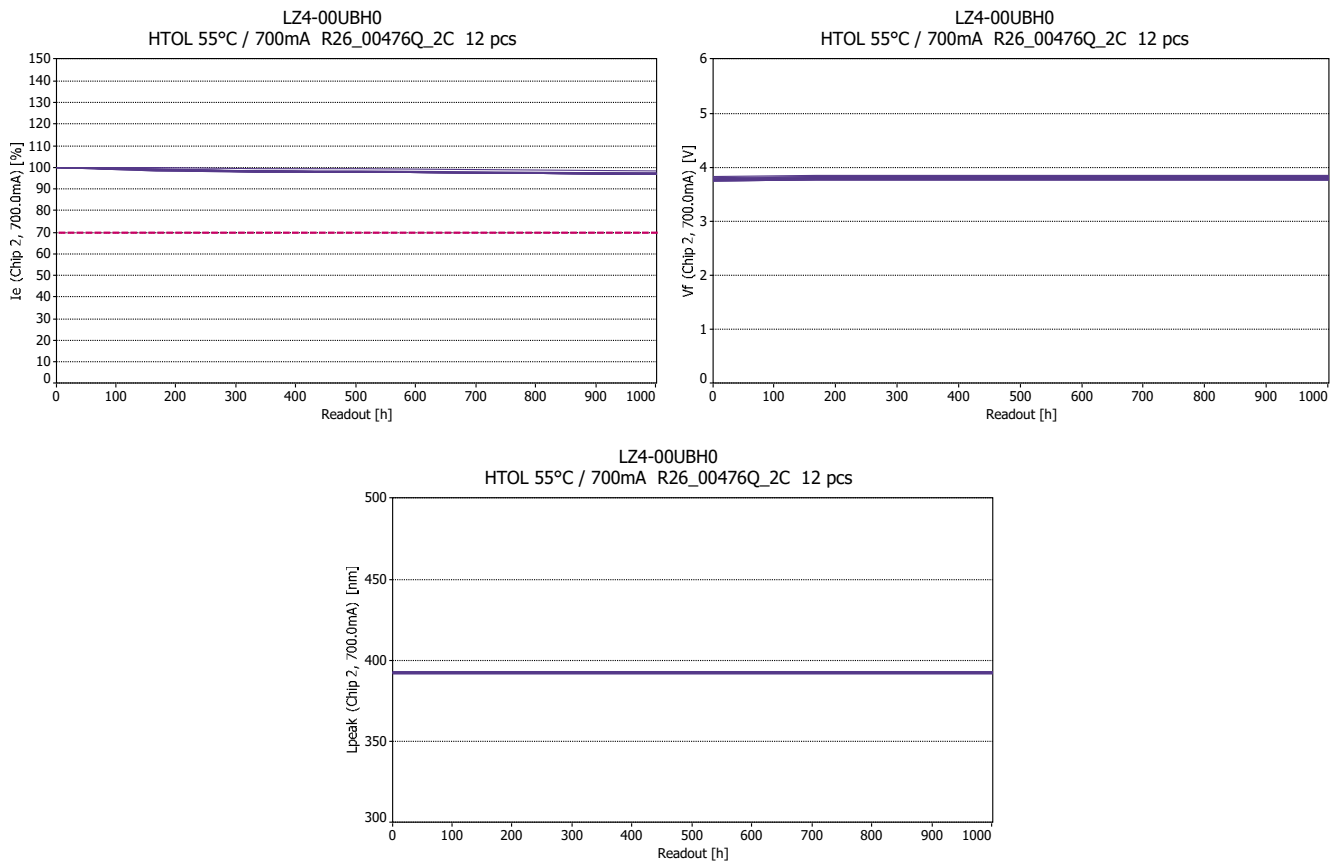
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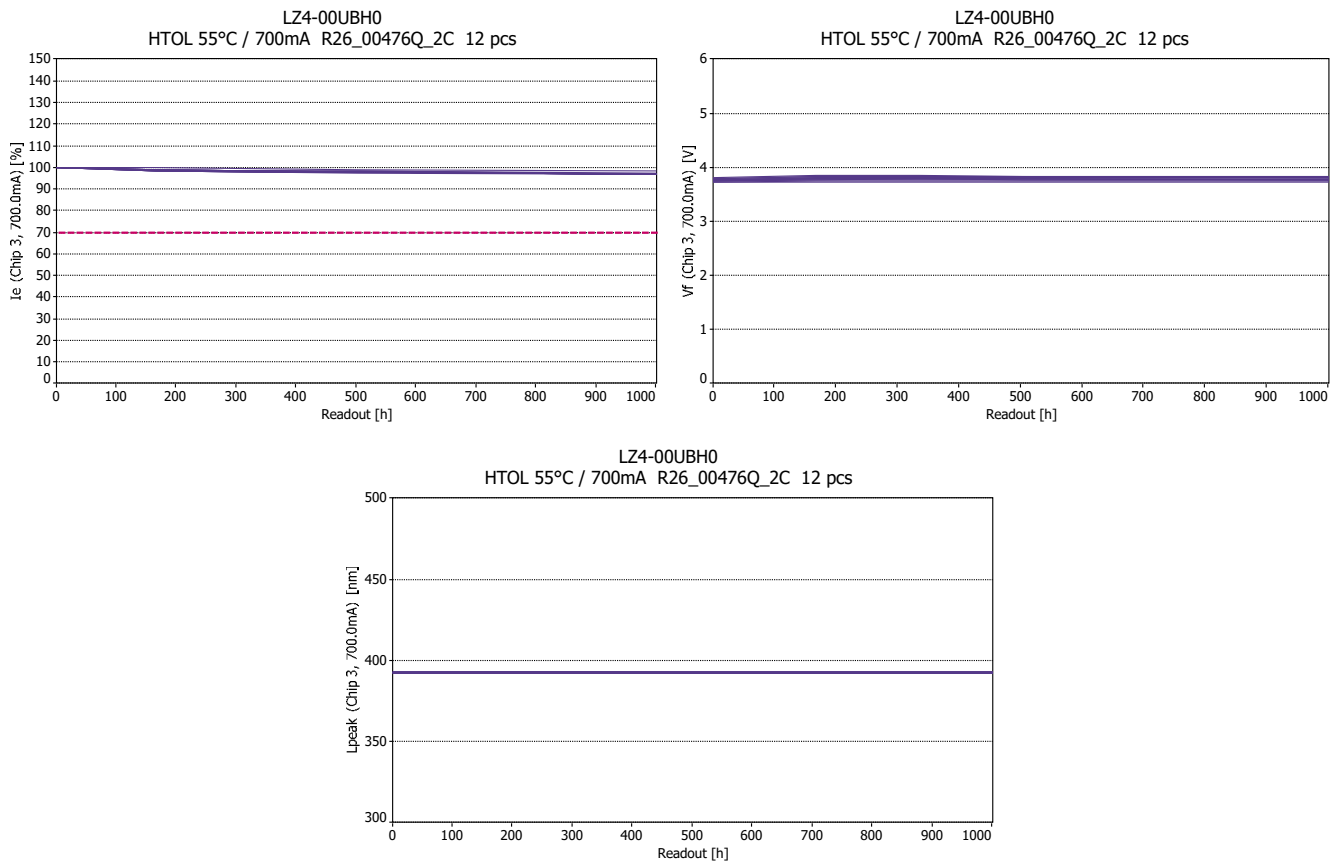
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Lot B – Chip 1



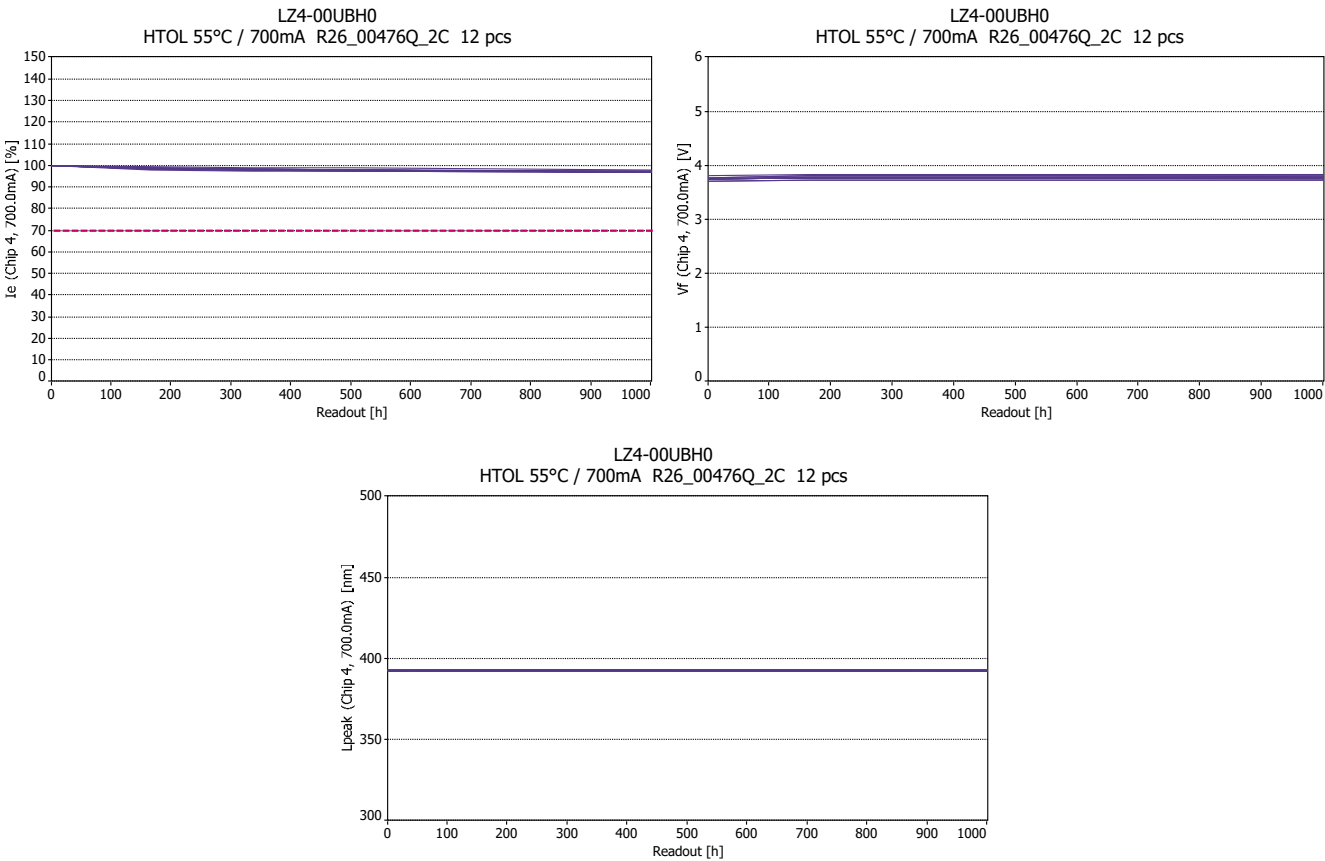
Lot B – Chip 2



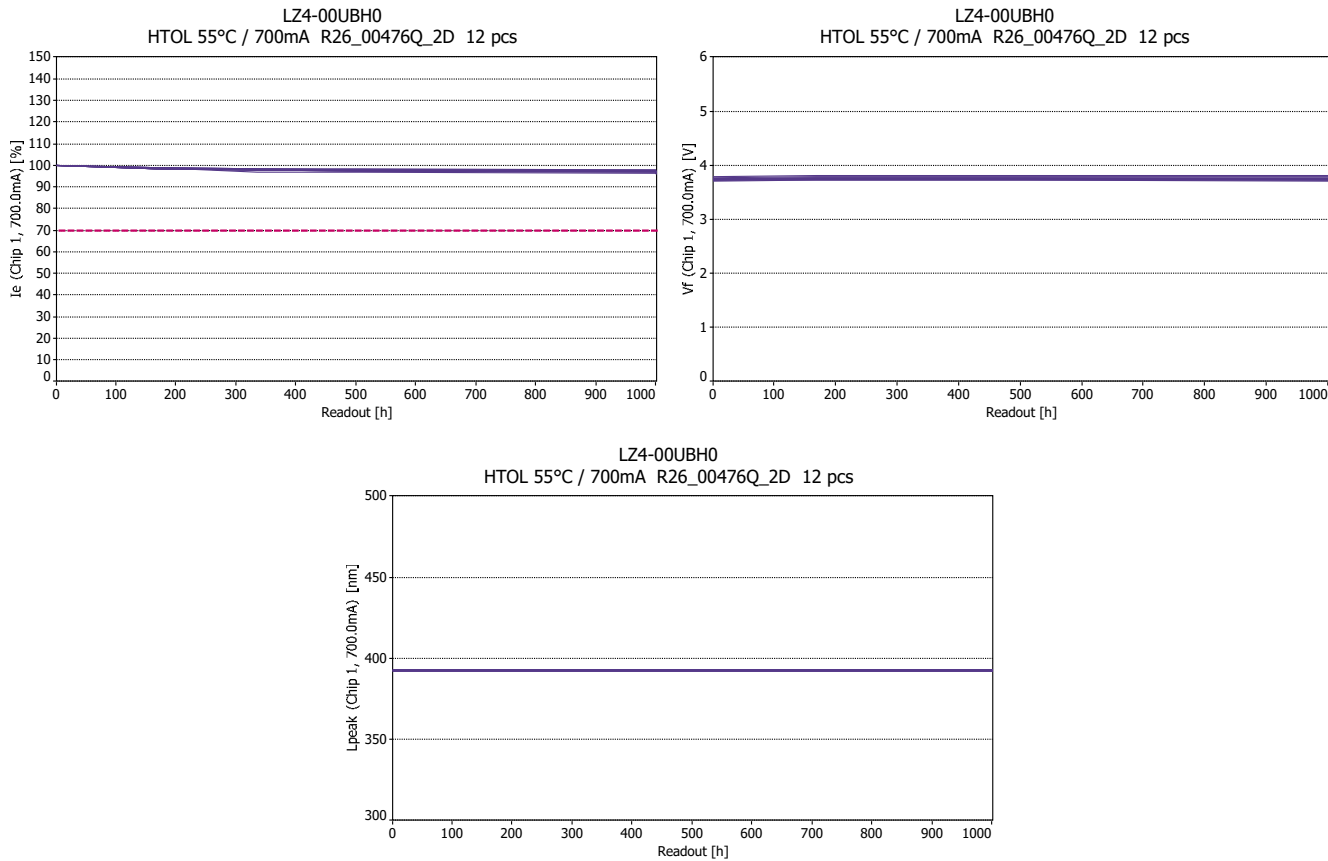
Lot B – Chip 3



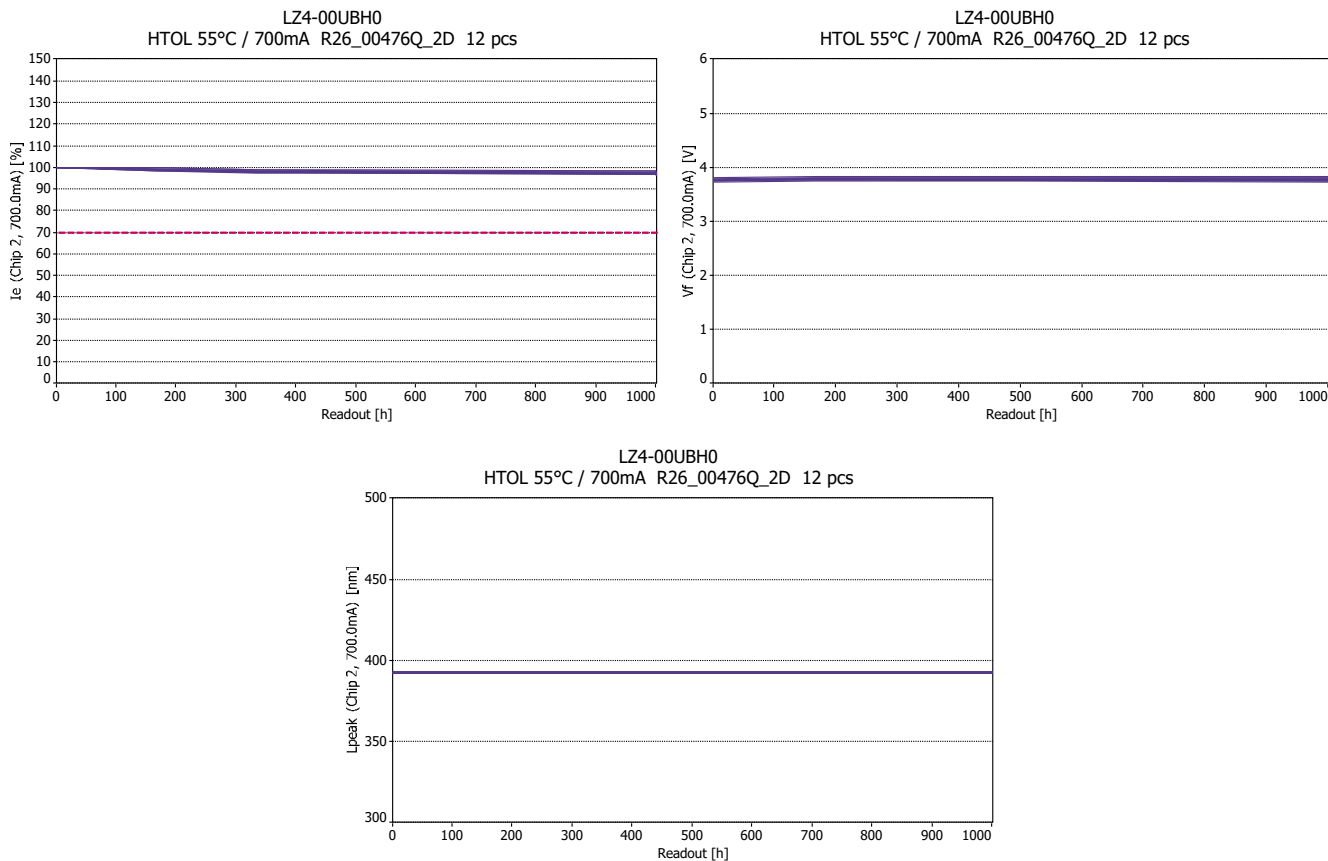
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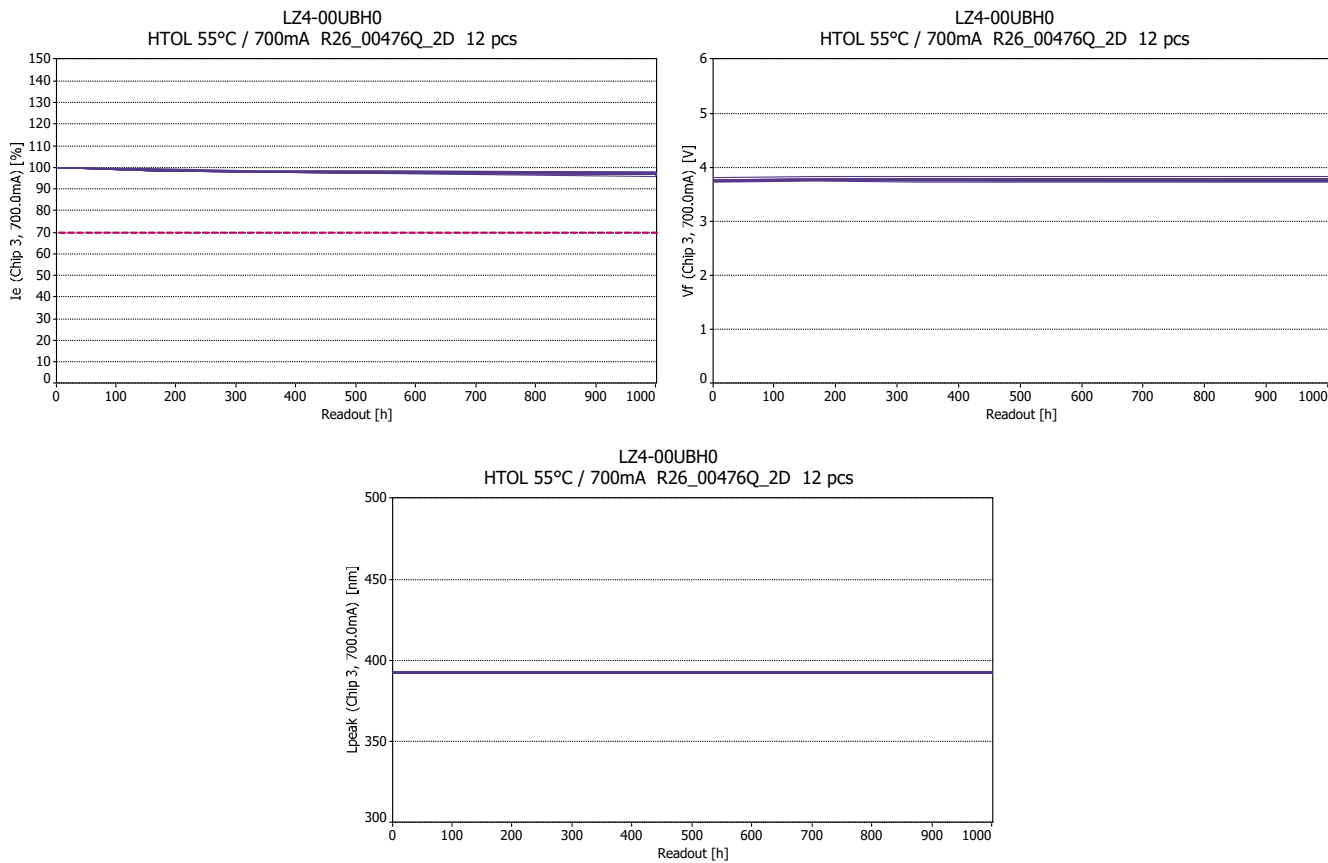
HTOL 55°C/700mA
Lot C – Chip 1



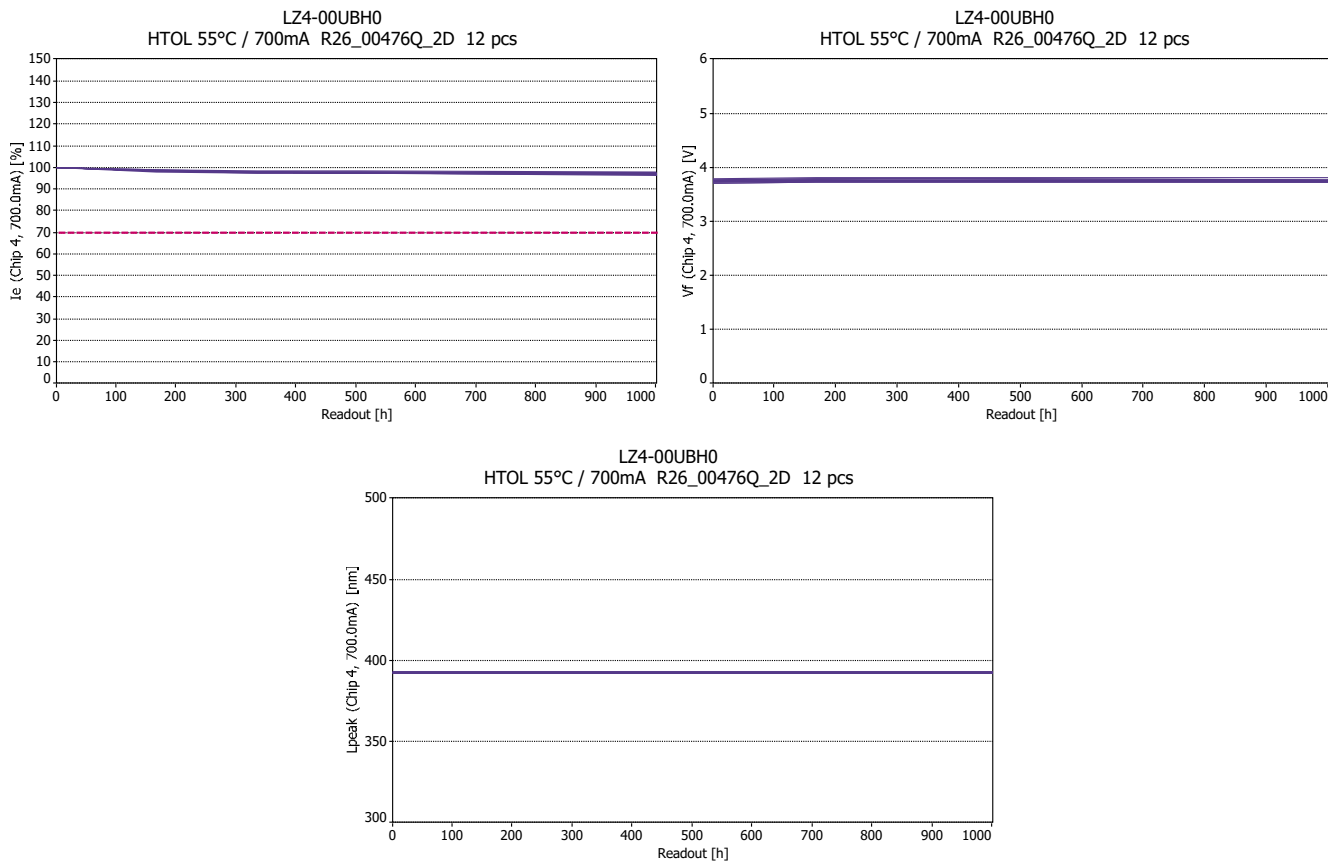
Lot C – Chip 2



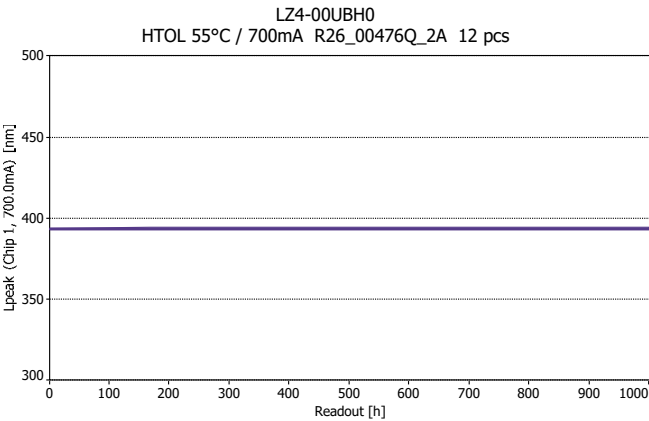
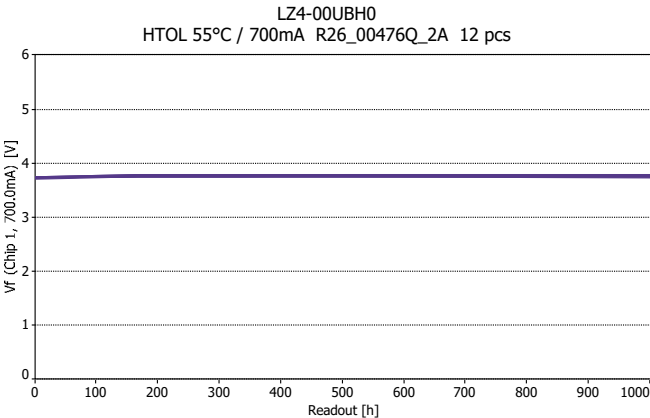
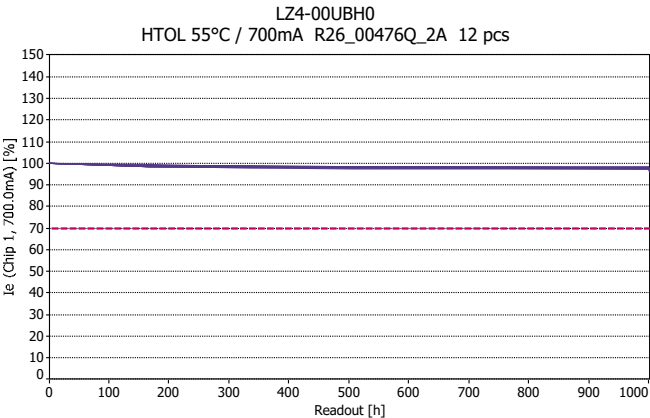
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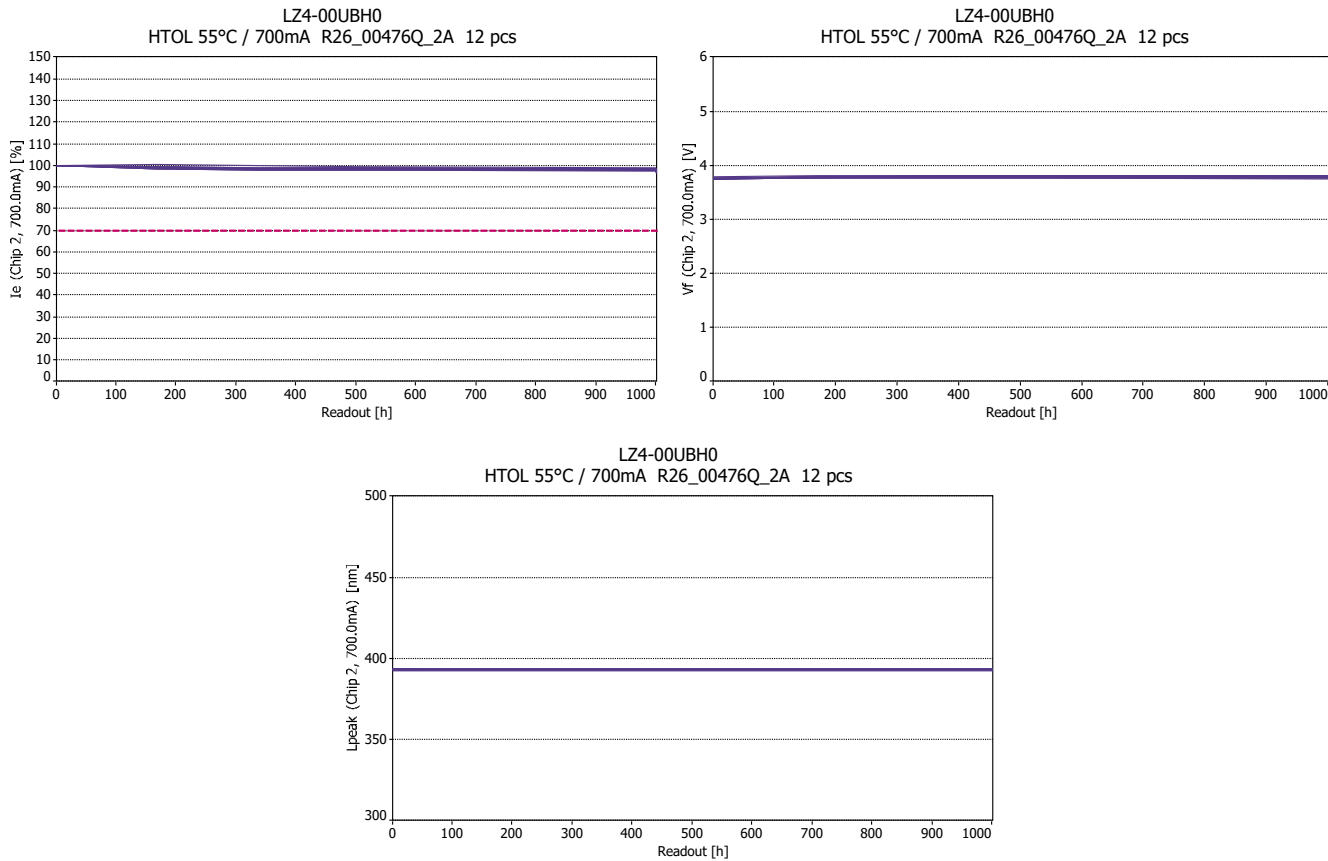
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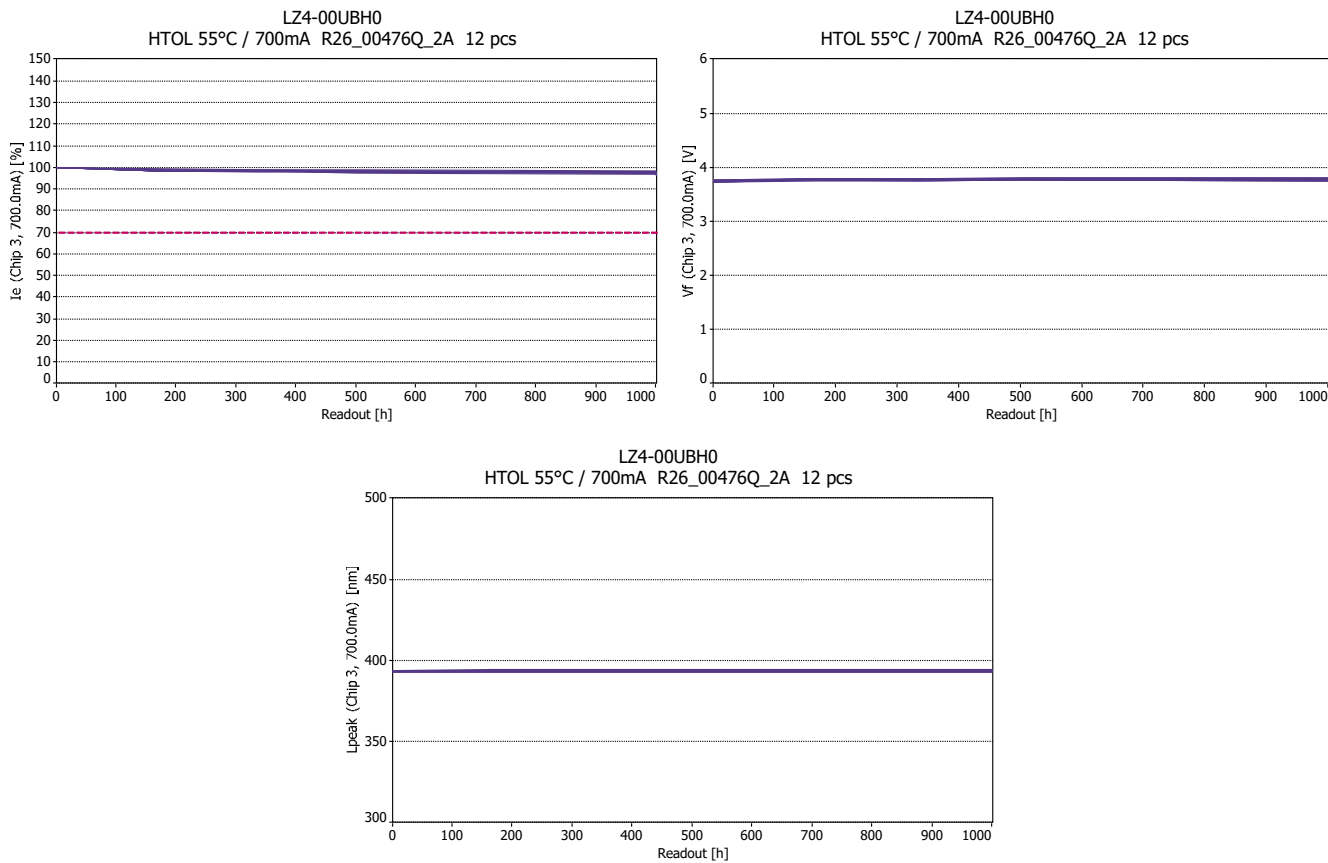
HTOL 55°C/700mA
Lot D – Chip 1



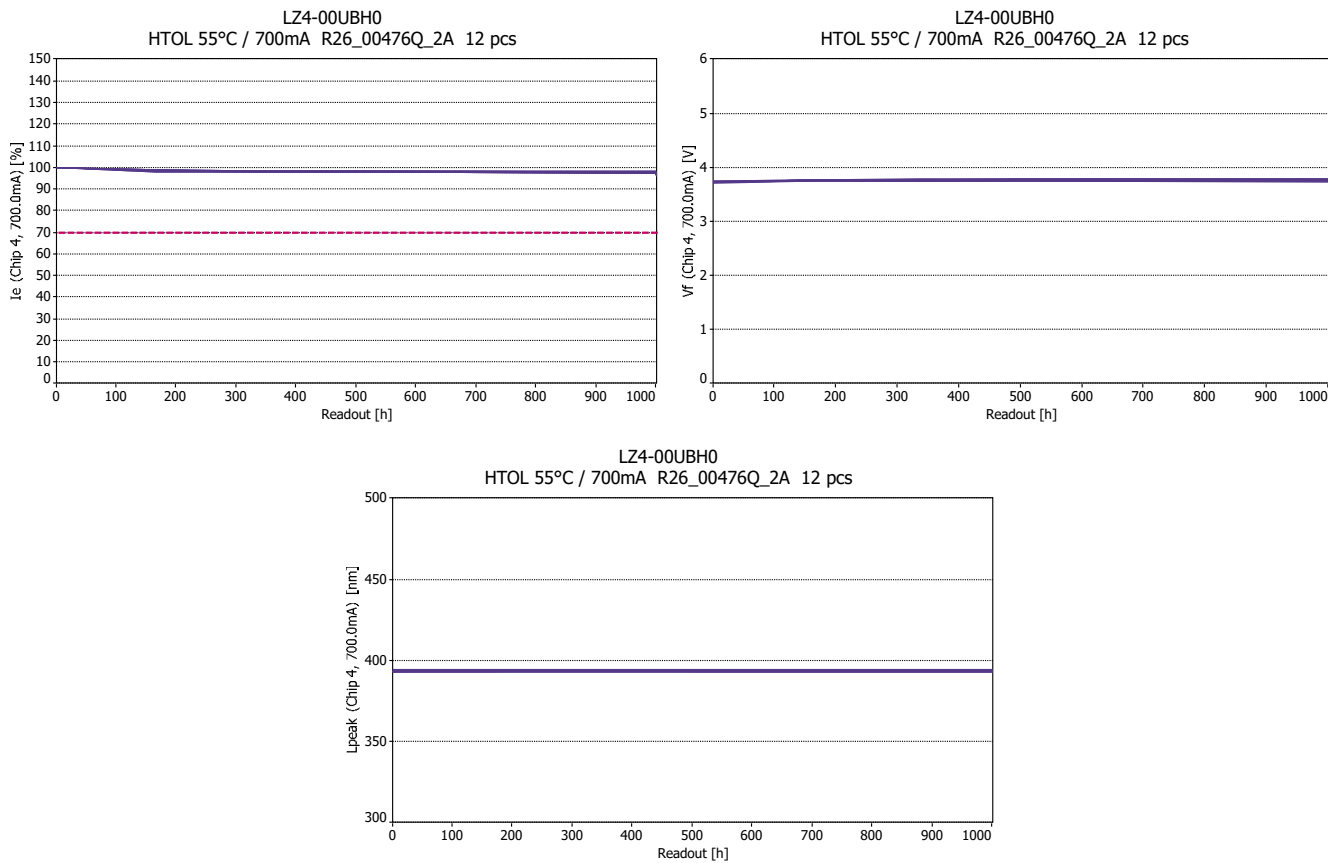
Lot D – Chip 2



Lot D – Chip 3



Lot D – Chip 4



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