PCN

AO-PCN-2024-031-A

Introduction of new chip generation for OSLON Signal device LB CRBP.01

Published by ams-OSRAM AG
Tobelbader Strasse 30, 8141 Premstaetten, Austria
Phone +43 3136 500-0
ams-osram.com

15.10.2024

Dear Customer,

please review this **PCN** and provide your feedback in the **Customer approval form** (at the end of this PCN document) to your ams OSRAM sales partner before **22.11.2024** *).

Your prompt reply will help ams OSRAM to assure a smooth and well executed transition. If ams OSRAM does not hear from your side by the due date, we will assume your (if you are a Distributor: and your customer's) full acceptance to this proposed change and its implementation.

ams OSRAM understands the time requirements your organization needs to approve this PCN.
However, if you can provide ams OSRAM an estimated date your organization will have finalized this PCN review, ams OSRAM can use this date to plan continued production to secure your order needs during the transition time.

Your attention and response to this matter is highly appreciated.

Please direct your inquiries to your local Sales office.

*) ams OSRAM aligns with the widely recognized JEDEC/ECIA/IPC Joint Standard No. 46, which stipulates:

- Customers should acknowledge receipt of the PCN within 30 days of delivery of the PCN.
- Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.
- After acknowledgement, lack of additional response within the 90 day period constitutes acceptance of the change. If the customer requires additional time to perform sample testing, beyond the 90 day review period, an extension must be negotiated with the supplier.

Subject of change:	Introduction of new chip generation for OSLON Signal device LB CRBP.01	
Affected products:	LB CRBP.01	
Reason for change:	• Secure continuous supply • Chip performance improvement	
Description of change:	Current status • Current Chip • 38µm wire diameter	New status • Next Generation Chip • 30µm wire diameter • Appearance change
	For details refer to document 2_cip_AO-PCN-2024-031-A	
Product identification:	e.g. Date code / Laser marking on device	
Time schedule for PCN material: (after implementation of change):	Final qualification report:	15.10.2024
	Samples available:	On request
	Intended Start of delivery:	01.01.2025 *) *) or earlier if released by customer and upon mutual agreement
Time schedule for Pre-PCN material: (prior to implementation of change):	Last time order date (LTO):	01.01.2025 **) **) Lead time and LTO quantity shall be mutually agreed between ams OSRAM and customer.
	Last time delivery date (LTD):	01.04.2025 ***) ***) planned last date for delivery of products of current status
Assessment:	No change in product dimension	
Documentation:	Customer information package 2_cip_AO-PCN-2024-031-A 3_Qual_AO-PCN-2024-031-A	

Note:
Pre-PCN material: Products of current status, means before implementation of the changes as described in the PCN.
PCN material: Products with implementation of the changes as described in the PCN.

Customer approval form
AO-PCN-2024-031-A

Introduction of new chip generation for OSLON Signal device LB CRBP.01

Please list product(s) affected in your application(s):

Please check the appropriate box below:

○ **Approval:** We agree with the proposed change and accept start of the shipment upon availability of PCN material	○ **Not relevant:** Change is not relevant for products in use.

○ **Change cannot be accepted:**

- ○ **We have objections:**
- ○ **We request following Information:**
- ○ **We request following Samples:**
- ○ **Expected approval date:**
- ○ **Volume requirements for Pre-PCN material:**

○ **Remarks:**

Sender:

Company:

Address / Location:

Signature: **Date:**

Please return this approval form to your Sales partner.

Published by ams-OSRAM AG
Tobelbader Strasse 30, 8141 Premstaetten, Austria
Phone +43 3136 500-0

PCN
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Customer information package

Department
2024-10-15

Agenda

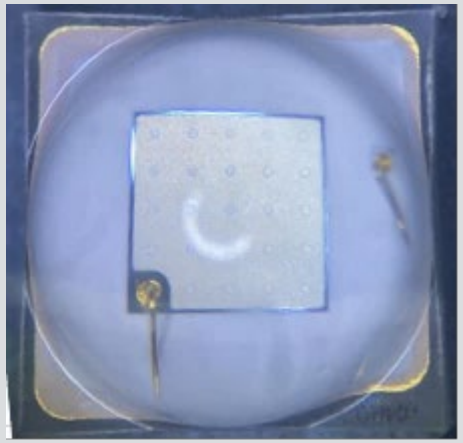
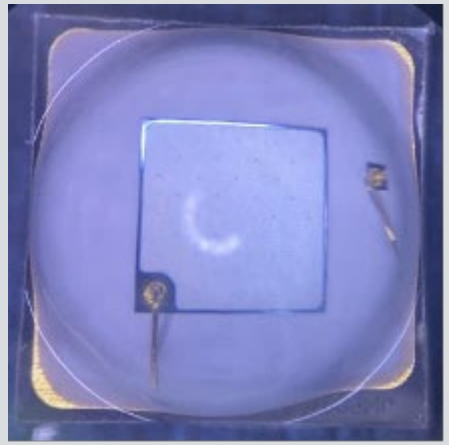
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Reason for change

Item	Description
1.	Secure continious supply
2.	Chip performance improvement

AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Description of change

Item	Current status	New status
1.	Current Chip	Next Generation Chip
2.	Wire diameter of 38µm	Change of wire diameter to 30µm
3.	Current appearance LB CRBP.01 	New appearance LB CRBP.01 

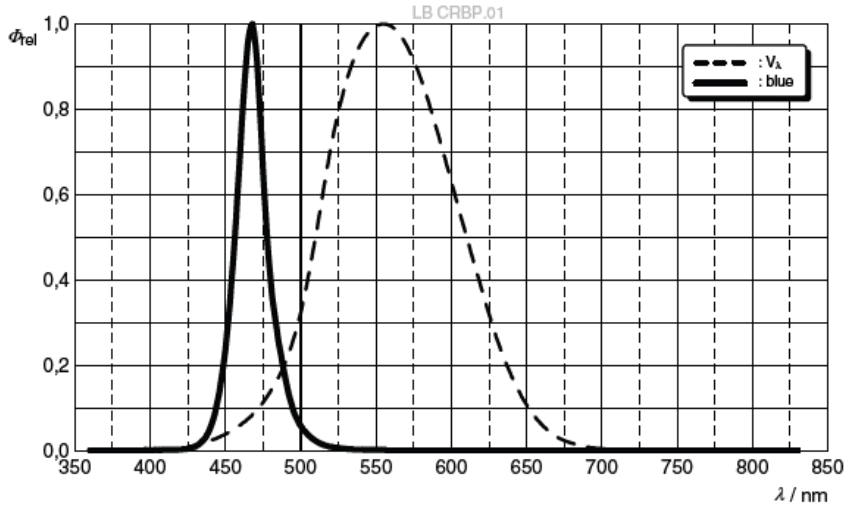
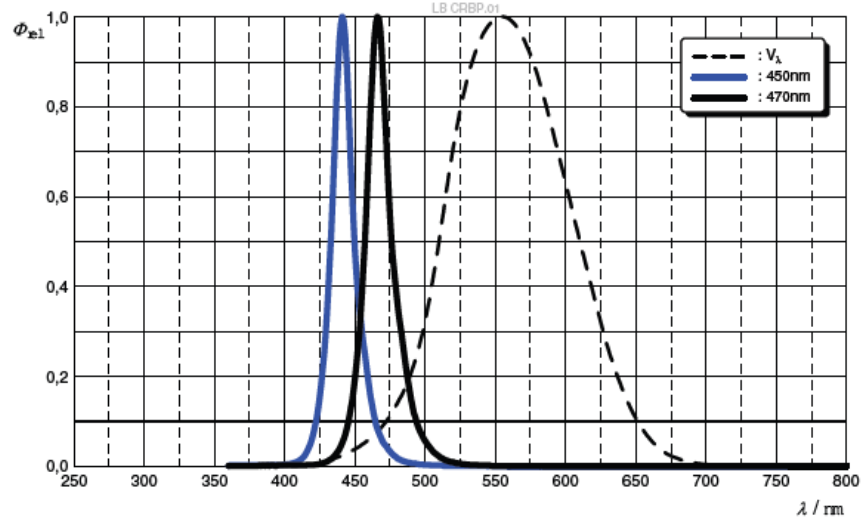
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
1.	**Characteristics** I_F = 350 mA; T_S = 25 °C Viewing angle at 50% I_V 2φ typ. 110 °	**Characteristics** I_F = 350 mA; T_S = 25 °C Viewing angle at 50% I_V 2φ typ. 130 °

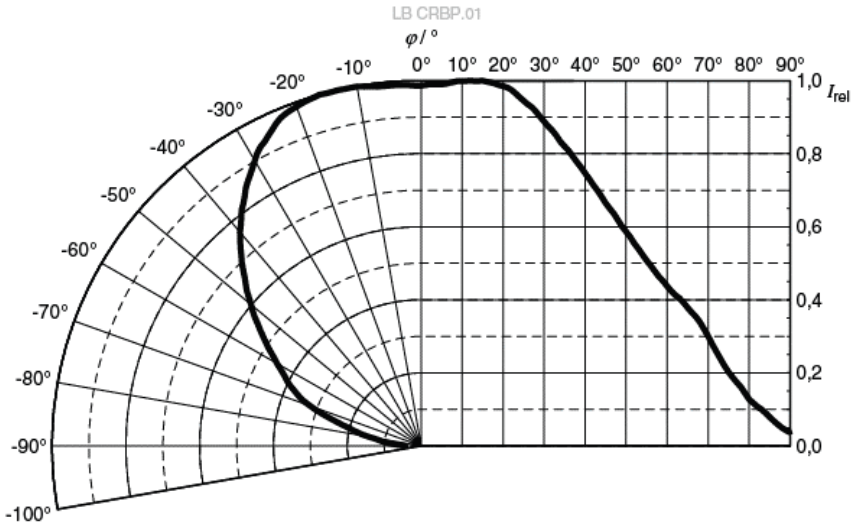
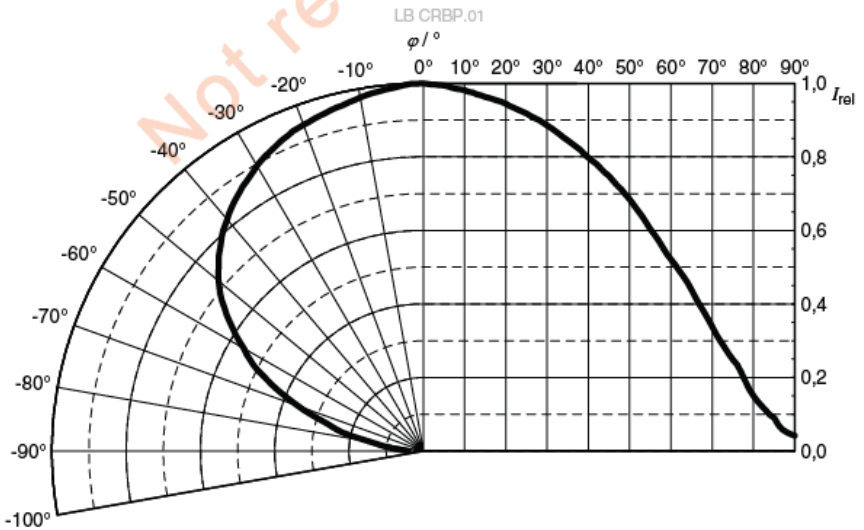
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
2.	**Relative Spectral Emission** 6) $\Phi_{rel} = f(\lambda)$; $I_F = 350$ mA; $T_S = 25$ °C 	**Relative Spectral Emission** 6) $\Phi_{rel} = f(\lambda)$; $I_F = 350$ mA; $T_S = 25$ °C 

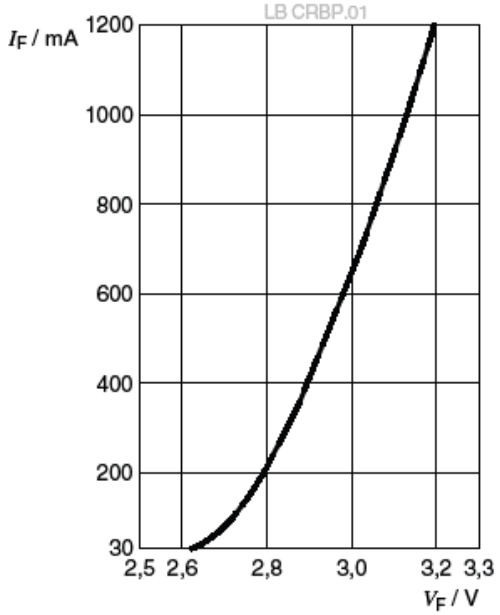
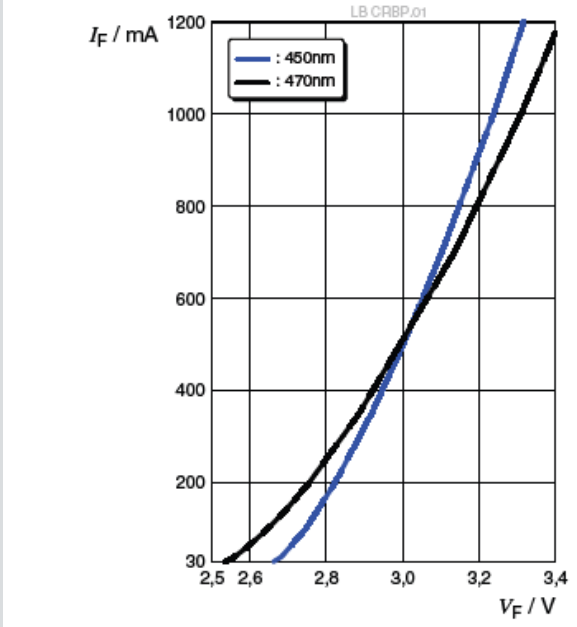
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
3.	**Radiation Characteristics** 6) $I_{rel} = f(\phi)$; $T_S = 25$ °C 	**Radiation Characteristics** 6) $I_{rel} = f(\varphi)$; $T_S = 25$ °C 

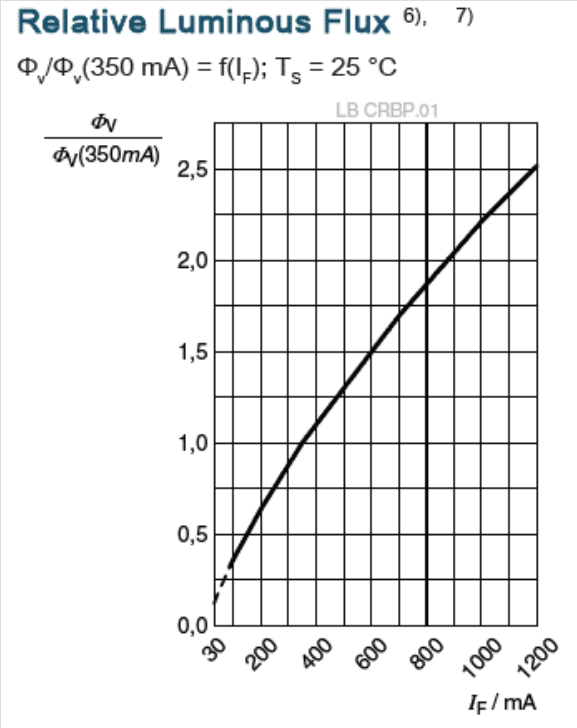
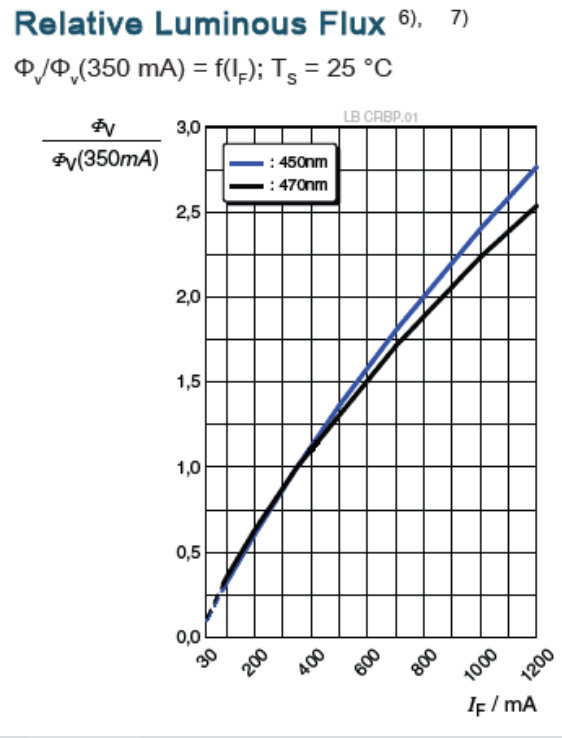
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
4.	**Forward current** 6) $I_F = f(V_F)$; T_S = 25 °C 	**Forward current** 6) $I_F = f(V_F)$; T_S = 25 °C 

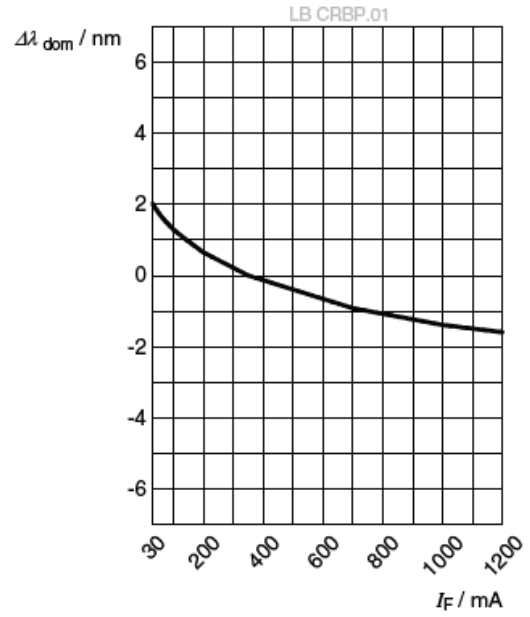
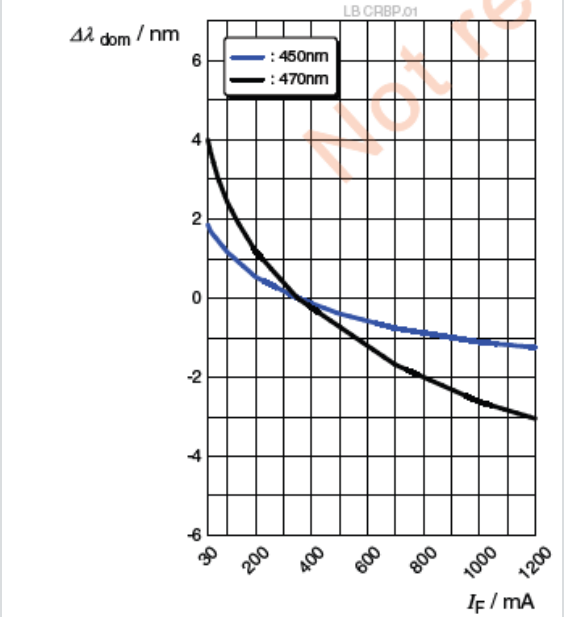
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
5.		

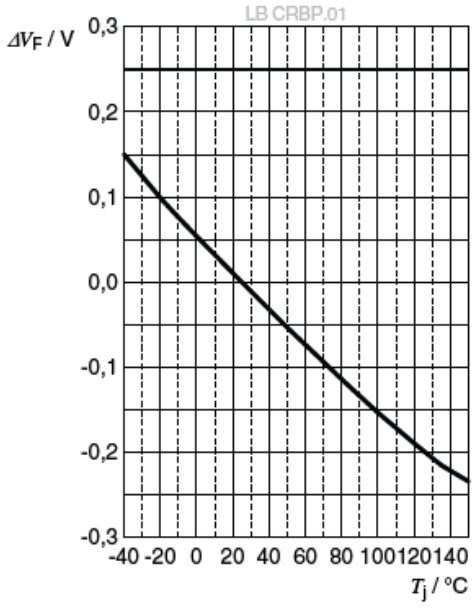
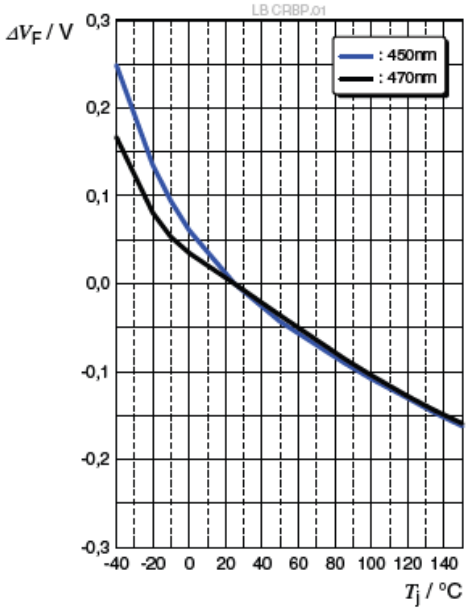
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
6.	**Dominant Wavelength** 6) $\Delta\lambda_{dom} = f(I_F); T_S = 25\ °C$ 	**Dominant Wavelength** 6) $\Delta\lambda_{dom} = f(I_F); T_S = 25\ °C$ 

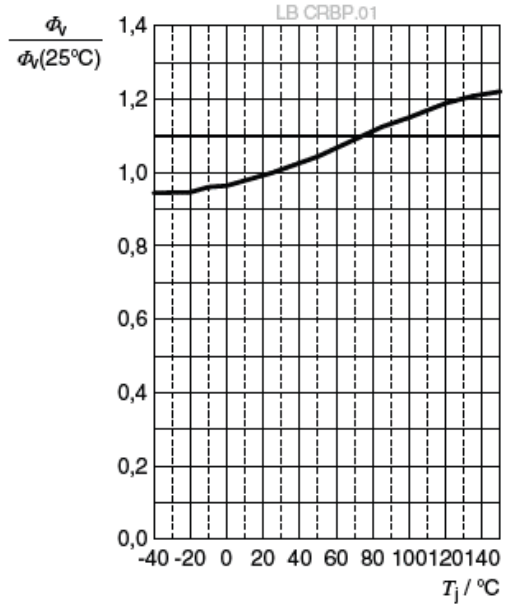
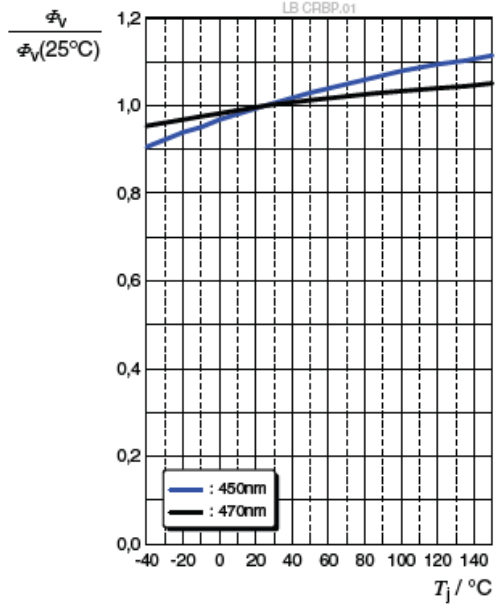
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
7.	**Forward Voltage** 6) $\Delta V_F = V_F - V_F(25\,°C) = f(T_j);\ I_F = 350\ mA$ 	**Forward Voltage** 6) $\Delta V_F = V_F - V_F(25\,°C) = f(T_j);\ I_F = 350\ mA$ 

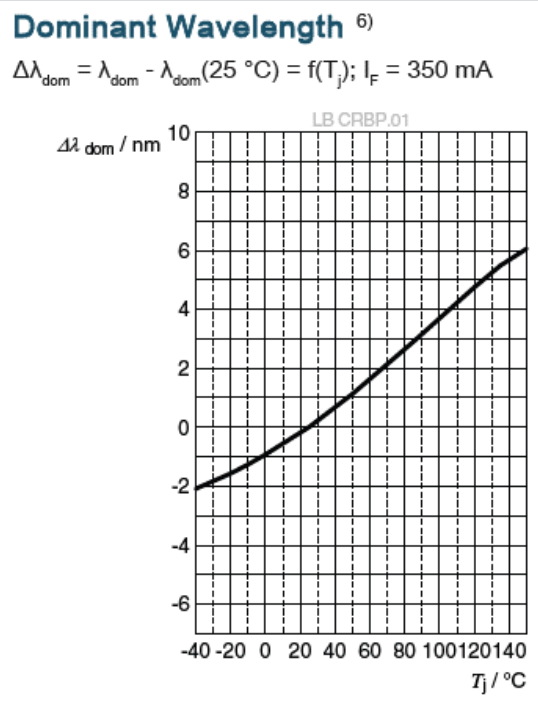
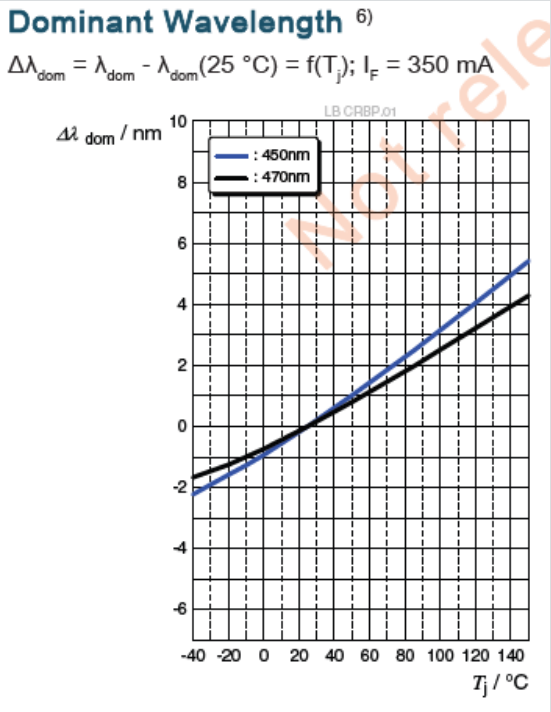
AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
8.	**Relative Luminous Flux** [6] $\Phi_v/\Phi_v(25\,°C) = f(T_j);\ I_F = 350\ mA$ 	**Relative Luminous Flux** [6] $\Phi_v/\Phi_v(25\,°C) = f(T_j);\ I_F = 350\ mA$ 

AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets

Item	Current status	New status
9.		

AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Changes in the datasheets: Updated Datasheet Version

Product type	Data sheet version before IN	Data sheet version after IN
LB CRBP.01	1.2	1.4

Note:
Version 1.2 is according to current production
Version 1.3 includes first information of new chip generation
Version 1.4 is based on Version 1.3 with correction.
Latest version of data sheet will be accessible on the ams OSRAM homepage.

AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

List of affected products

OSLON Signal
LB CRBP.01

AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

PCN Samples

OSLON Signal
LB CRBP.01

Color code: available on request

AO-PCN-2024-031-A
Introduction of new chip generation for OSLON Signal device LB CRBP.01

Time schedule

for PCN material (after implementation of change):		
Final qualification report	15.10.2024	
Samples available	On request	
Intended Start of delivery	01.01.2025 *)	*) or earlier if released by customer and upon mutual agreement

for Pre-PCN material (prior to implementation of change):		
Last time order date (LTO)	01.01.2025 **)	**) Lead time and LTO quantity shall be mutually agreed between ams OSRAM and customer.
Last time delivery date (LTD)	01.04.2025 ***)	***) planned last date for delivery of products of current status

Note:
Pre-PCN material: Products of current status, means before implementation of the changes as described in the PCN.
PCN material: Products with implementation of the changes as described in the PCN.

Sensing is life

Qualification Report 230043C1

Subject	Qualification report for OSLON Signal LB CRBP.01, LCY CRBP.01 and LUW CRBP.01 according to AO-PCN-2024-031-A
Date	15.10.2024
Tested device	LUW CRBP.01
Brand (including sub brands)	OSLON Signal
Applies to	LB CRBP.01, LCY CRBP.01, LUW CRBP.01

ams-OSRAM AG
Tobelbader Strasse 30
8141 Premstaetten, Austria
Phone +43 3136 500-0
ams-osram.com

Pre-conditioning according to Jedec Level 2

Test Performed	Condition	Duration	Sample Size	Failures El.	Failures Opt.	Failures Vis
Low Temperature Operating Life LTOL *JESD22-A108*	T_A = -40°C I_F = 1200mA	1000h	4x30	0	0	0
High Temperature Operating Life HTOL *JESD22-A108*	T_A = 100°C I_F = 1200mA	1000h	4x30	0	0	0
Wet High Temperature Operating Life WHTOL *JESD22-A101*	T_A = 60°C r.H.= 93% I_F = 30mA	1000h	4x30	0	0	0
Wet High Temperature Operating Life WHTOL *JESD22-A101*	T_A = 60°C r.H.= 93% I_F = 1200mA	1000h	4x30	0	0	0
Pulse life test PLT *JESD22-A108*	T_A = 25°C I_F = 2000mA t_p = 0.1ms; D = 3%	1000h	4x30	0	0	0
Temperature cycle TC *JESD22-A104*	T_A = -40°C/+125°C 15min each extreme	1000h	4x30	0	0	0
Electrostatic Discharge HBM *ANSI/ESDA/ JEDEC JS-001*	Human Body Model	1000h	4x30	0	0	0
Gas corrosion test *IEC 60068-2-60*	T_A = 25°C r.H.= 75% Methode 4	500h	4x30	0	0	0
Damp heat cyclic *IEC 60068-2-30*	$T_{A,min}$ = 25°C; $T_{A,max}$ = 65°C r.H.= 90% I_F = 30mA	10c	4x30	0	0	0

Note: Lot A-C evaluation lot, Lot D control lot

Failure criteria:

Electrical failures:	Vf (If =350mA)	> 3.25V; ± 10% from initial value
Optical failures:	Φv (If =350mA) Cx/Cy (If=350mA)	> ± 30% from initial value ± 0.01 from initial value
Visual failures:	acc JEDEC JESD22-B101	

Conclusion: The tested device fulfills the reliability requirements.

Disclaimer

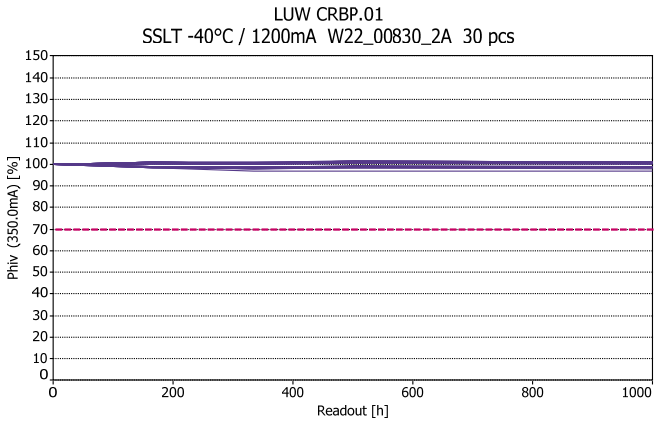
PLEASE CAREFULLY READ THE BELOW TERMS AND CONDITIONS BEFORE USING THE INFORMATION.
IF YOU DO NOT AGREE WITH ANY OF THESE TERMS AND CONDITIONS, DO NOT USE THE INFORMATION.

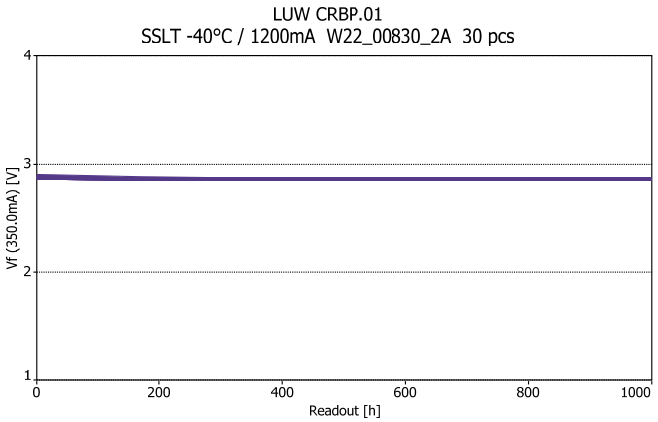
The Information contained in this Document does not constitute an independent warranty. The committed behavior is described in the Product data sheet and/or further, mutually agreed specifications.
Distribution of part or all of the contents of this Document to any 3rd party in any form without the prior permission of ams-OSRAM International GmbH is prohibited except in accordance with applicable mandatory law.

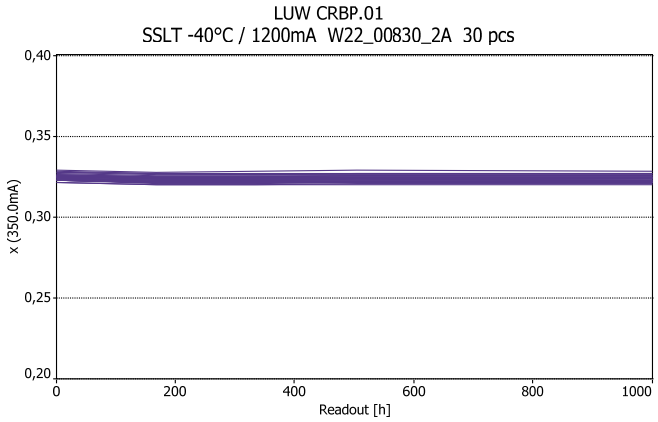
Further explanations:
Data: The Data used in this Document consider the reliability test results under the mentioned driving conditions only. For Product information on the maximum operating conditions and the OSRAM standard qualification profile please refer to the Product data sheet or contact your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

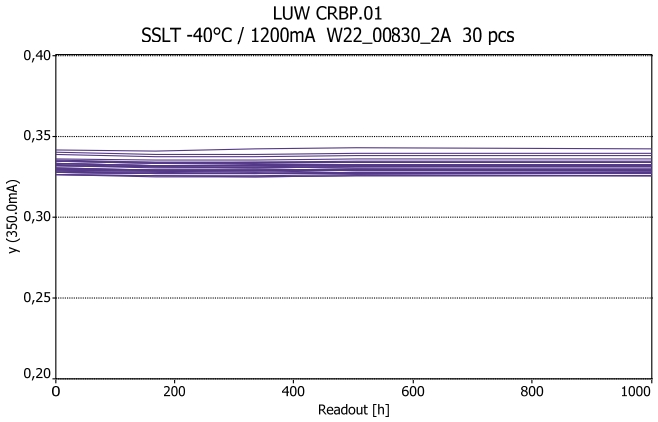
LTOL -40°C / 1200mA

Lot A

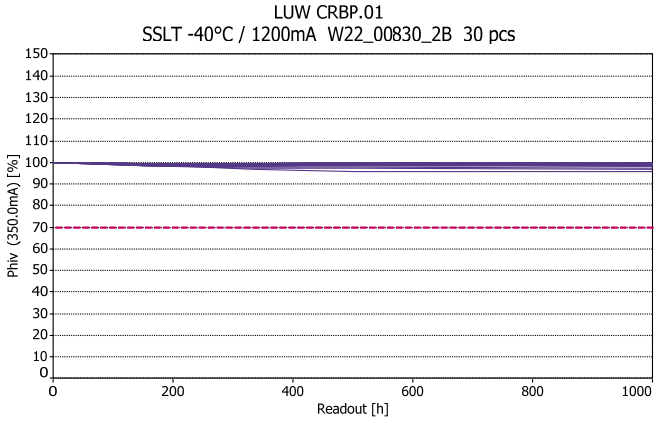


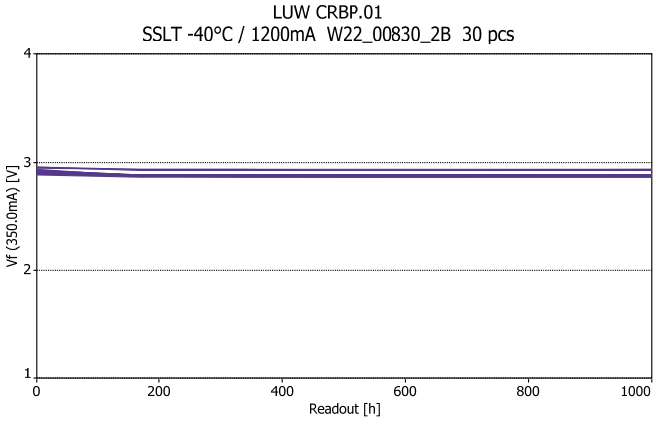


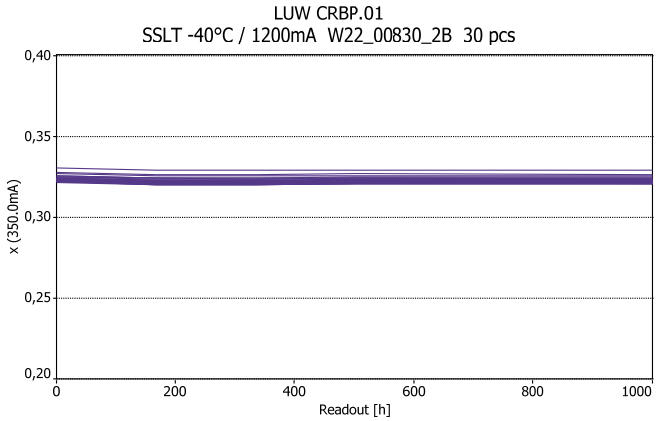


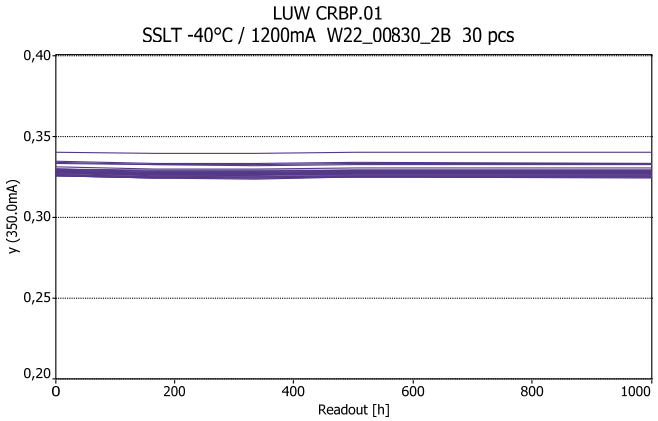


Lot B

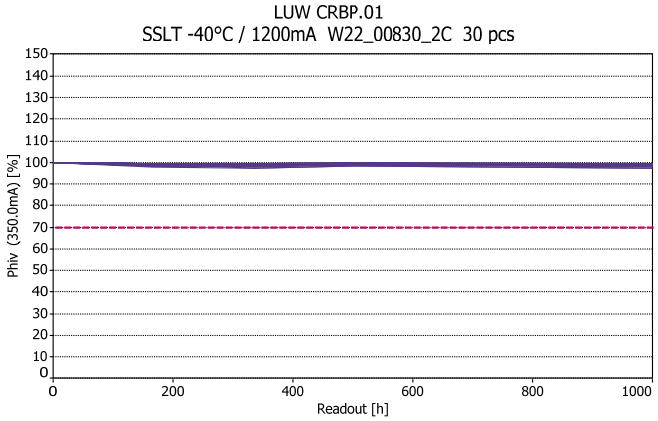

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2B 30 pcs
Phiv (350.0mA) [%]
Readout [h]

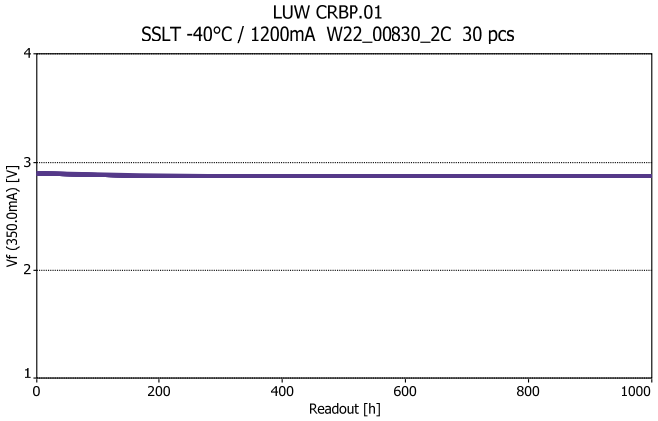

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2B 30 pcs
Vf (350.0mA) [V]
Readout [h]

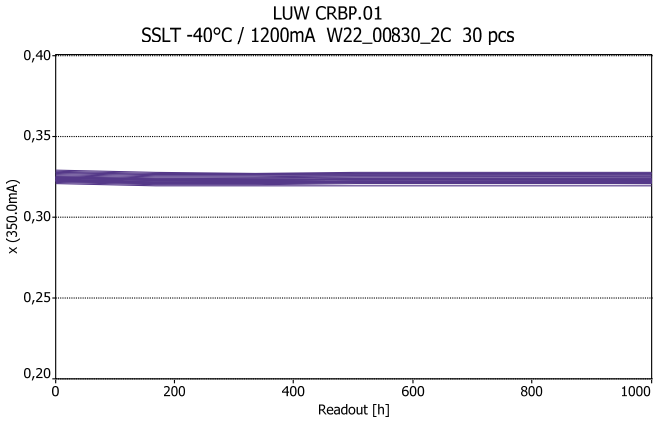

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2B 30 pcs
x (350.0mA)
Readout [h]

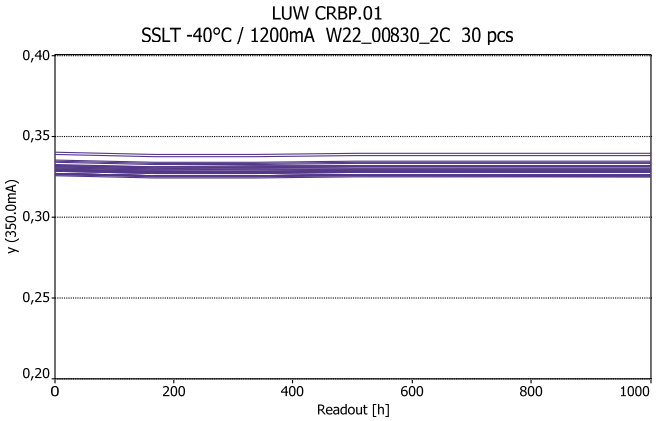

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2B 30 pcs
y (350.0mA)
Readout [h]

Lot C

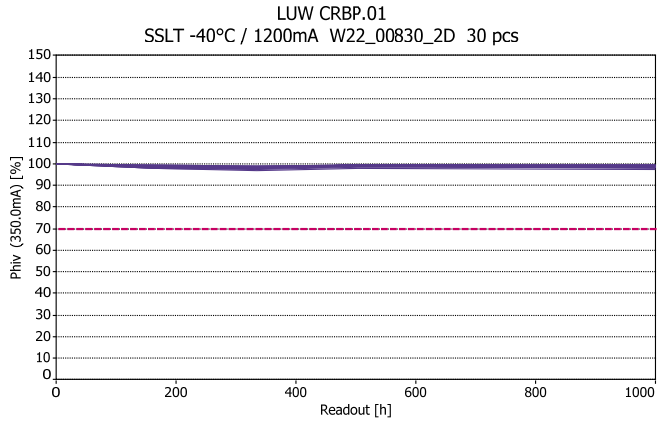

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2C 30 pcs
Phiv (350.0mA) [%]
Readout [h]

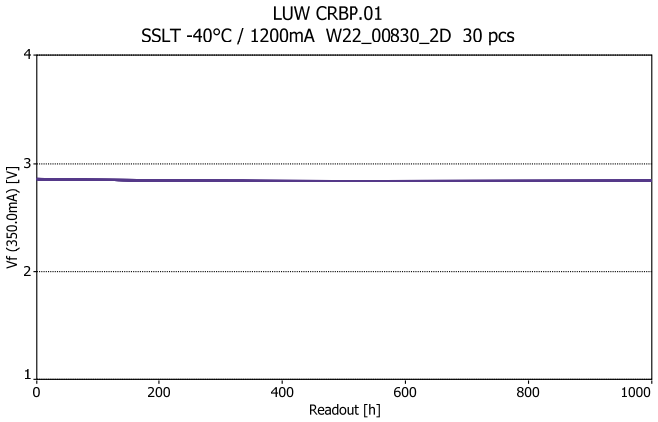

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2C 30 pcs
Vf (350.0mA) [V]
Readout [h]

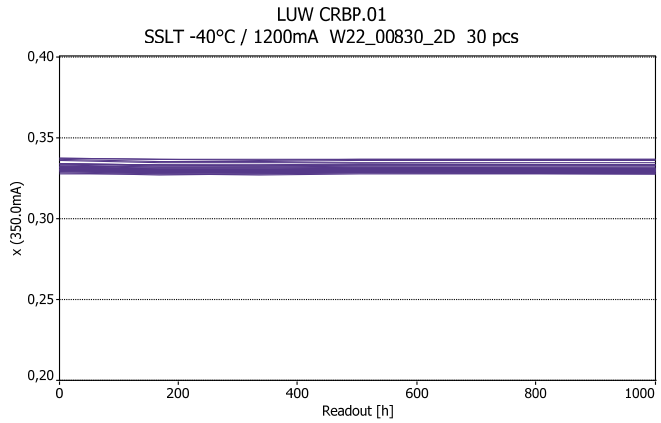

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2C 30 pcs
x (350.0mA)
Readout [h]

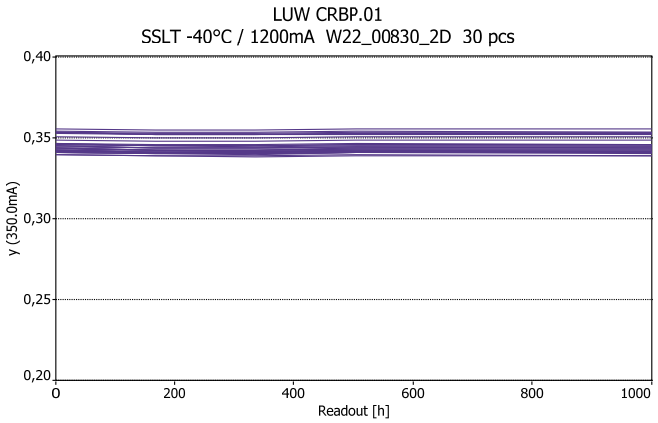

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2C 30 pcs
y (350.0mA)
Readout [h]

Lot D


LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2D 30 pcs
Phiv (350.0mA) [%]
Readout [h]

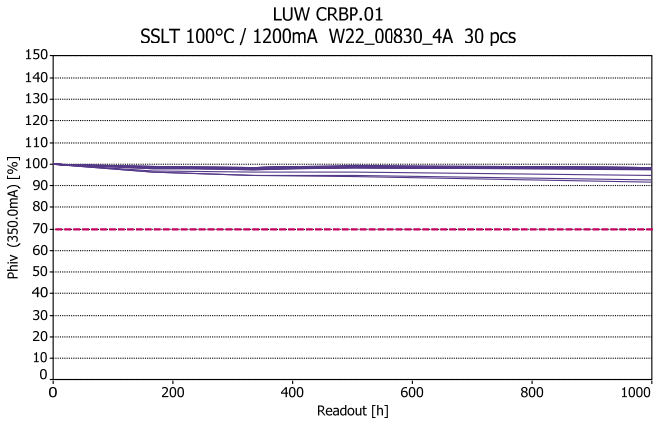

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2D 30 pcs
Vf (350.0mA) [V]
Readout [h]

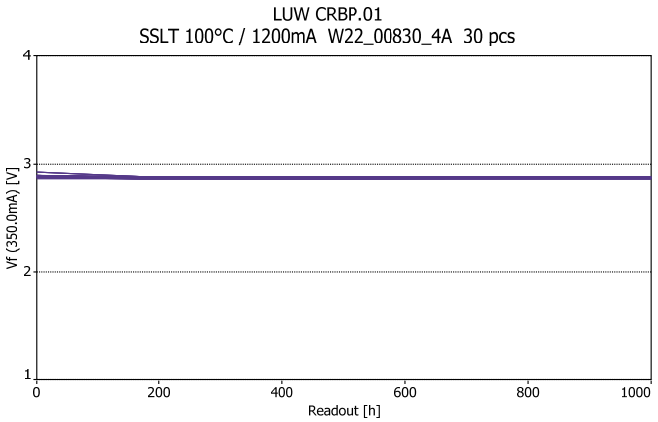

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2D 30 pcs
x (350.0mA)
Readout [h]

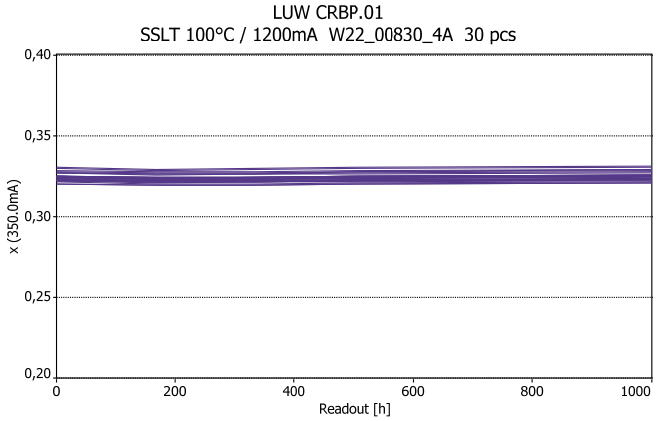

LUW CRBP.01
SSLT -40°C / 1200mA W22_00830_2D 30 pcs
y (350.0mA)
Readout [h]

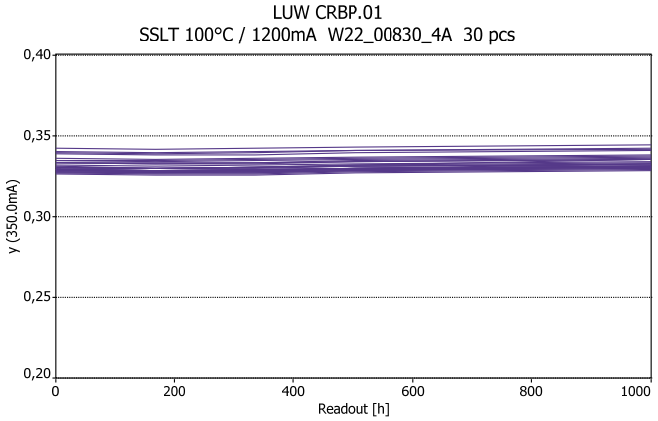
HTOL 100°C / 1200mA

Lot A

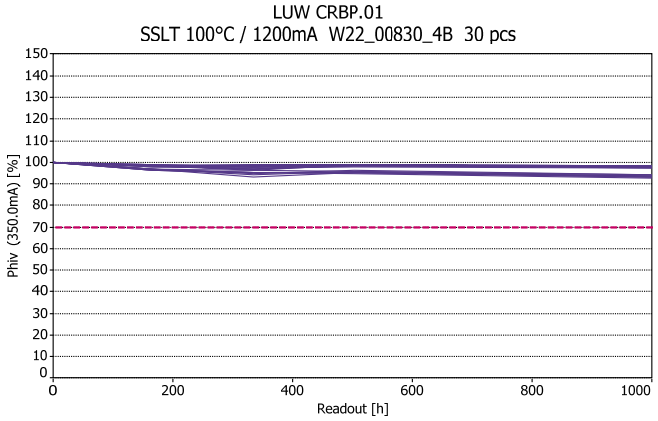


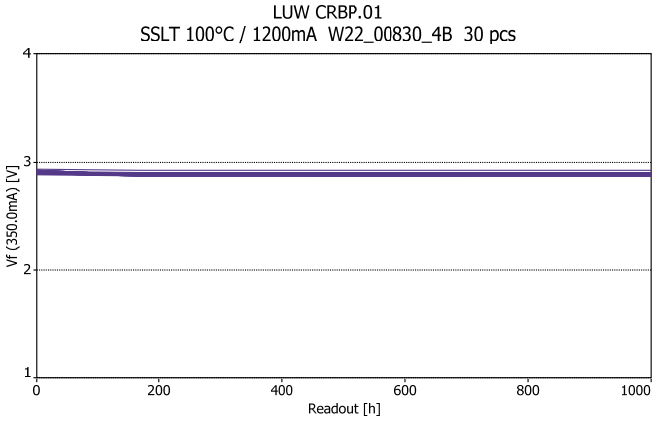


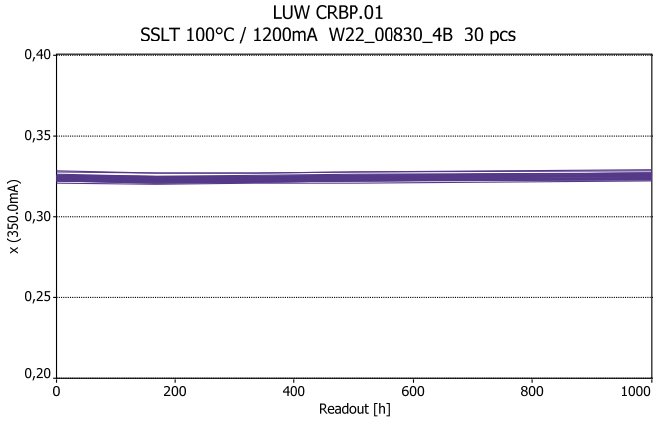


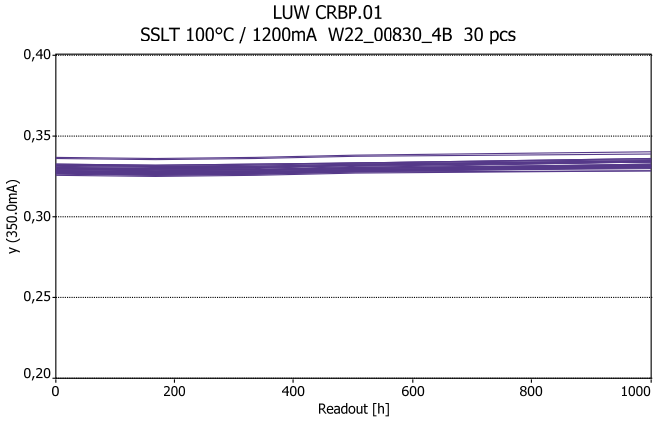


Lot B

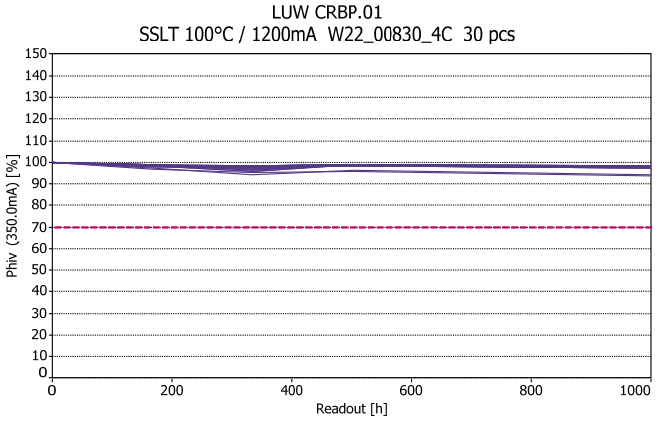

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4B 30 pcs
Phiv (350.0mA) [%]
Readout [h]

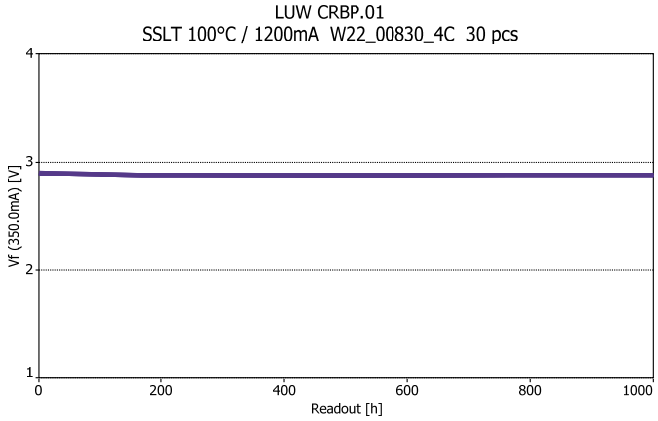

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4B 30 pcs
Vf (350.0mA) [V]
Readout [h]

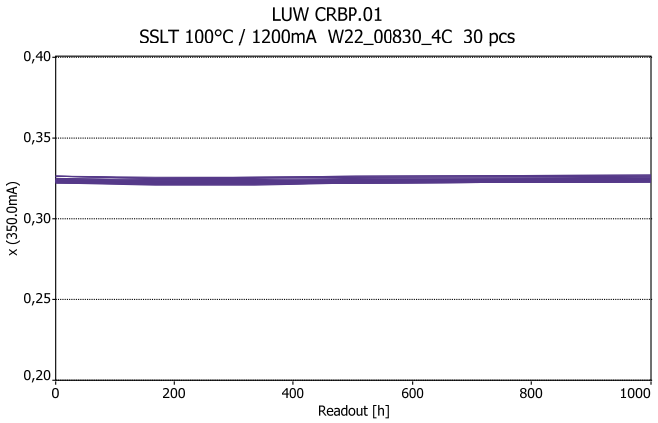

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4B 30 pcs
x (350.0mA)
Readout [h]

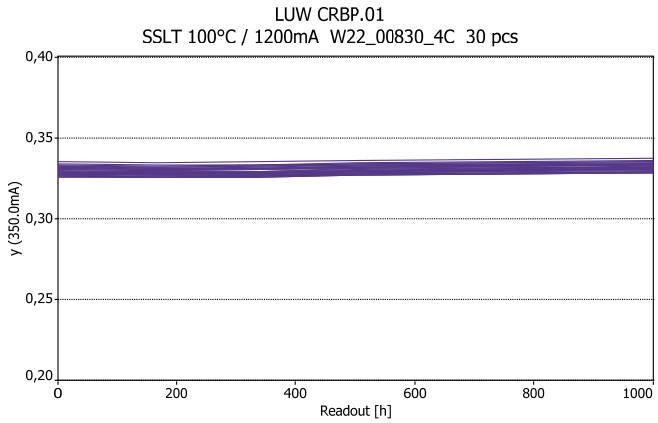

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4B 30 pcs
y (350.0mA)
Readout [h]

Lot C

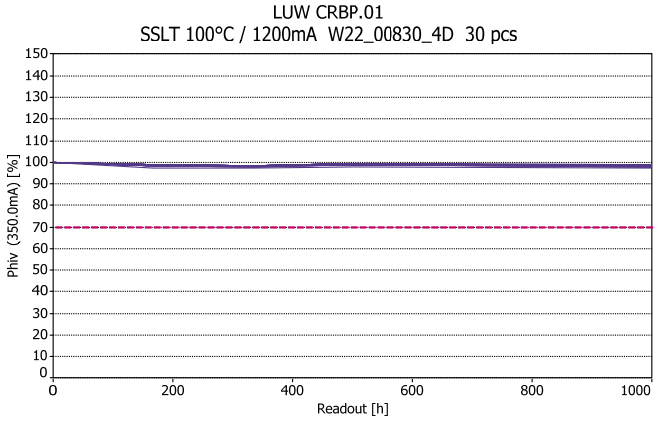

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4C 30 pcs
Phiv (350.0mA) [%]
Readout [h]

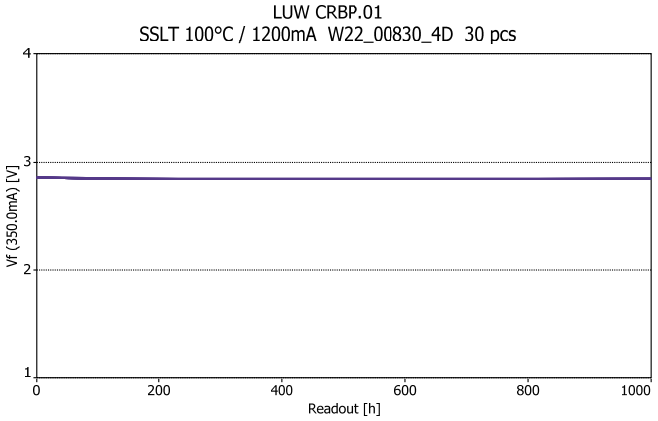

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4C 30 pcs
Vf (350.0mA) [V]
Readout [h]

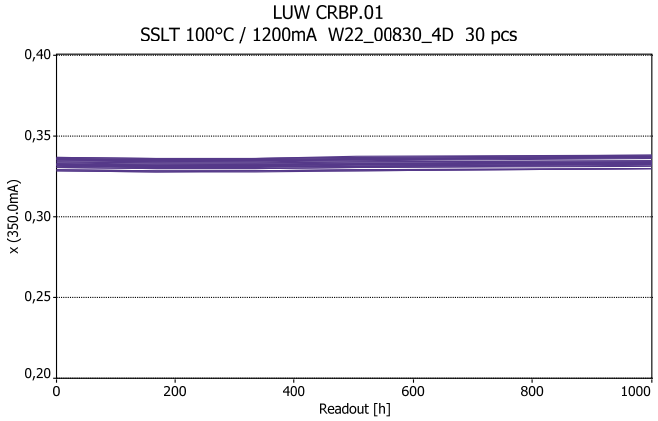

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4C 30 pcs
x (350.0mA)
Readout [h]

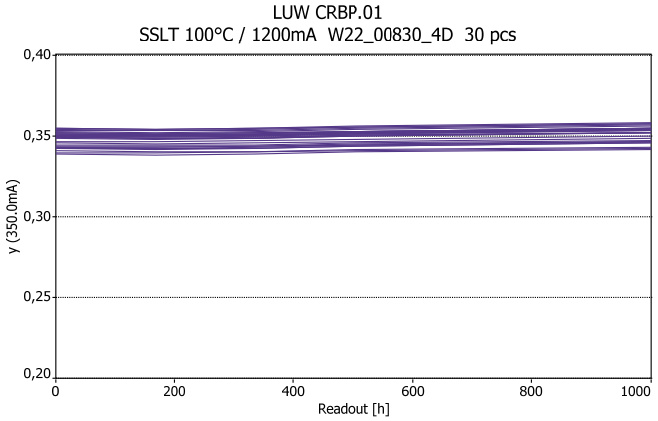

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4C 30 pcs
y (350.0mA)
Readout [h]

Lot D


LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4D 30 pcs
Phiv (350.0mA) [%]
Readout [h]

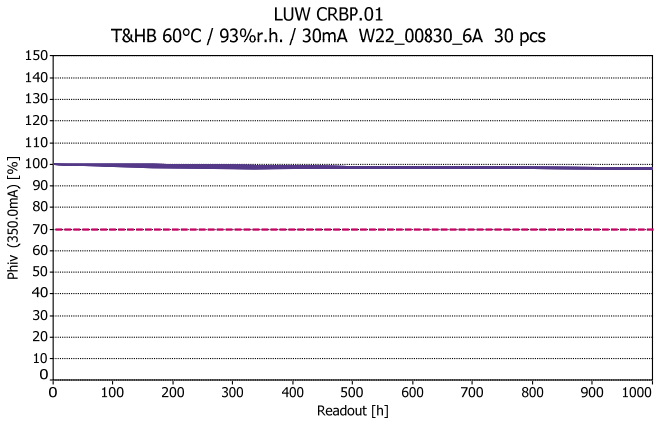

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4D 30 pcs
Vf (350.0mA) [V]
Readout [h]

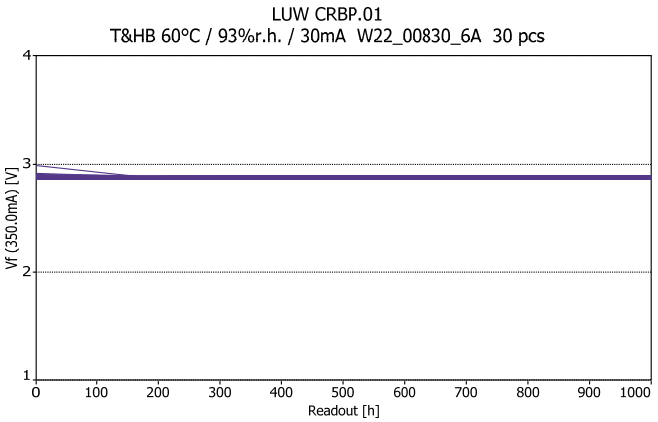

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4D 30 pcs
x (350.0mA)
Readout [h]

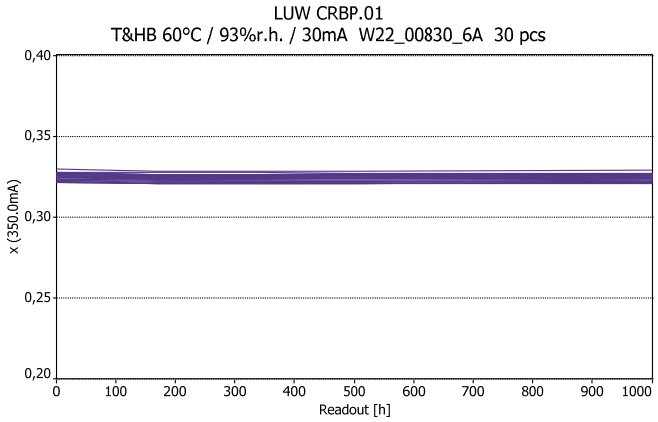

LUW CRBP.01
SSLT 100°C / 1200mA W22_00830_4D 30 pcs
y (350.0mA)
Readout [h]

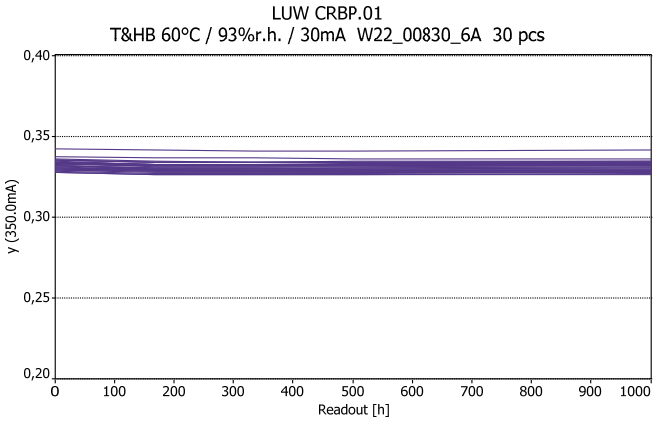
WHTOL 60°C / 93%r.h. / 30mA

Lot A

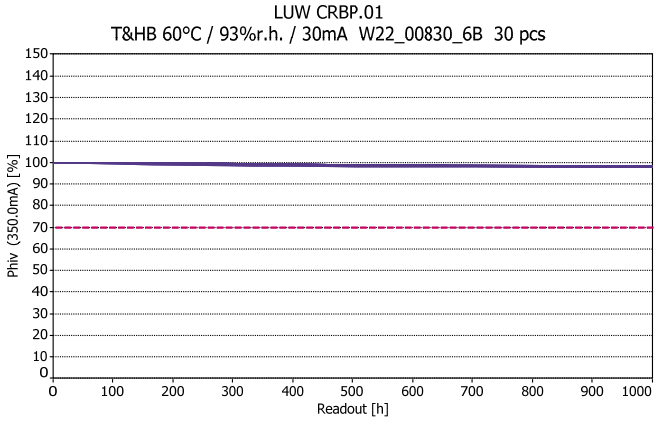


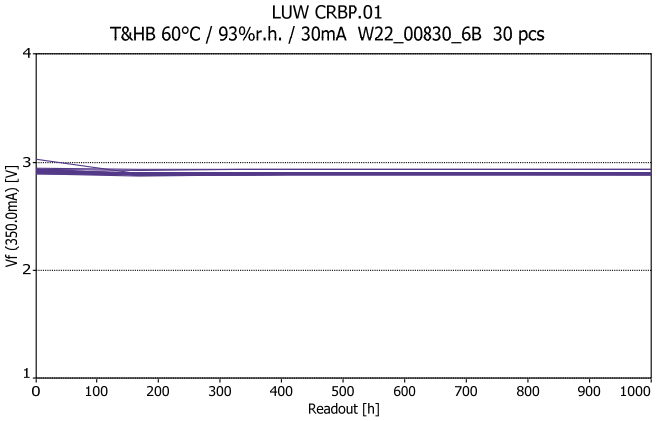


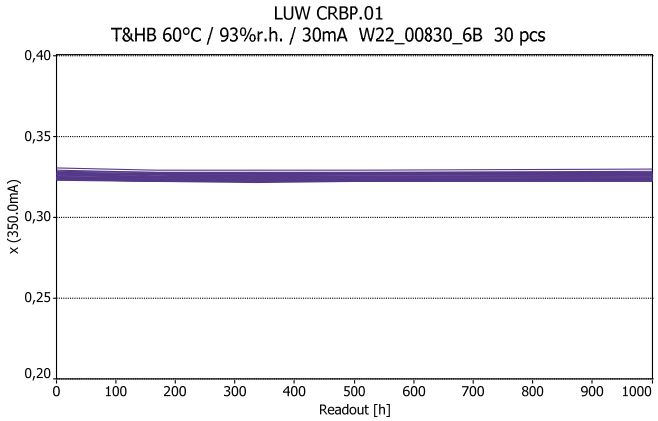


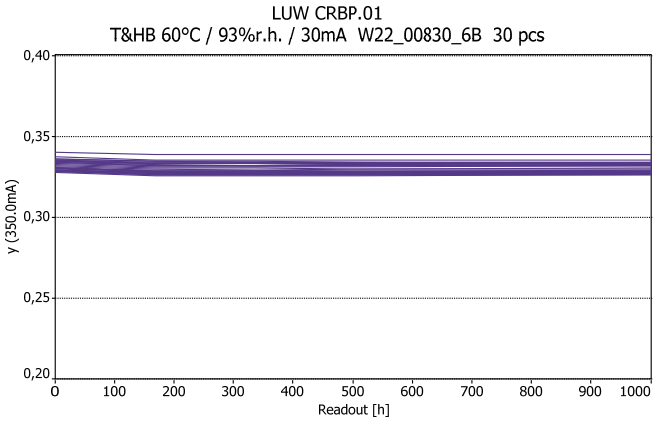


Lot B

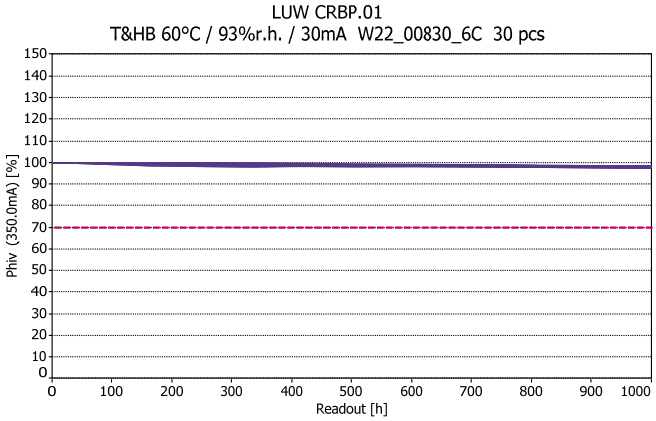

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6B 30 pcs
Phiv (350.0mA) [%]
Readout [h]

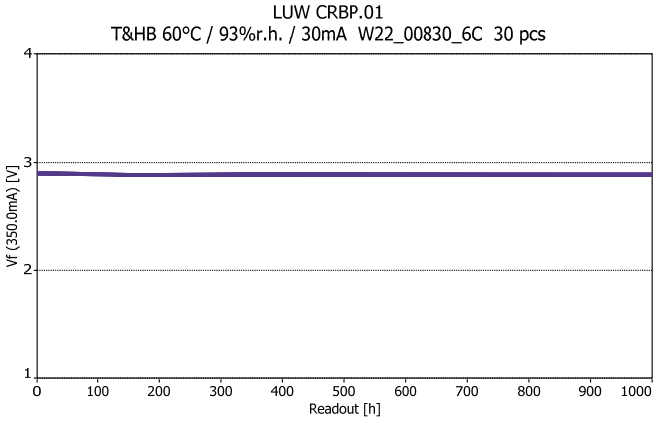

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6B 30 pcs
Vf (350.0mA) [V]
Readout [h]

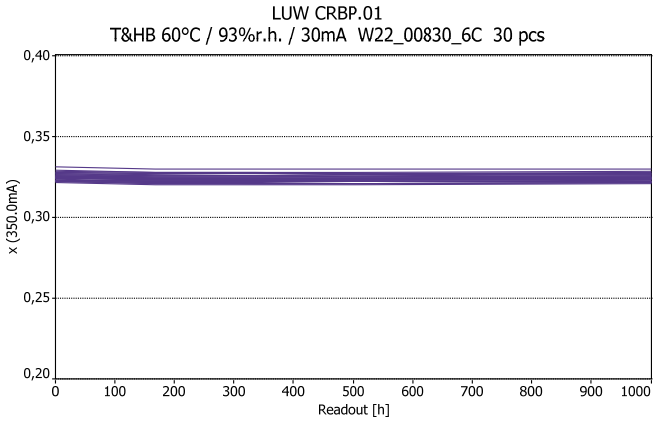

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6B 30 pcs
x (350.0mA)
Readout [h]

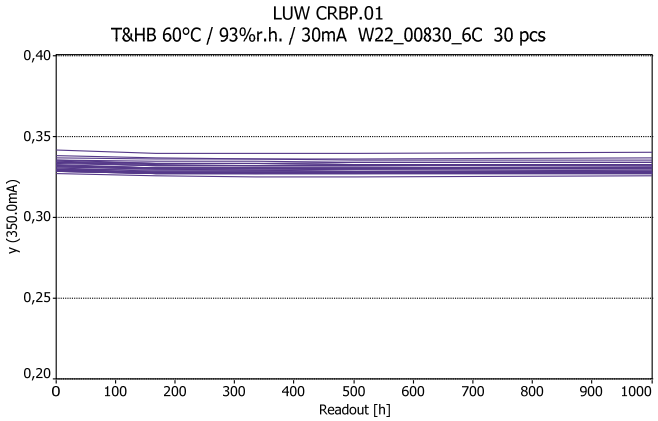

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6B 30 pcs
y (350.0mA)
Readout [h]

Lot C

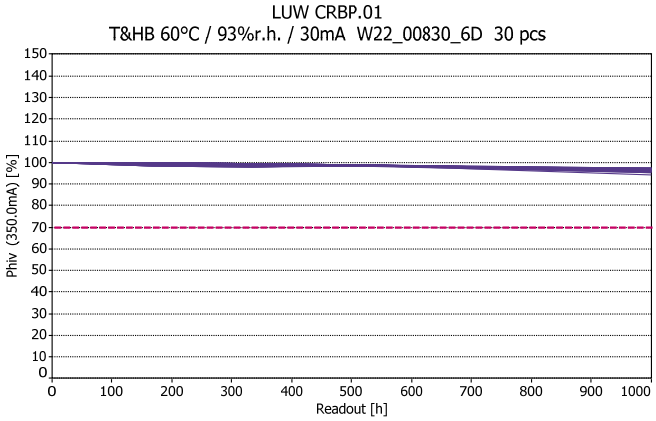

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6C 30 pcs
Phiv (350.0mA) [%]
Readout [h]

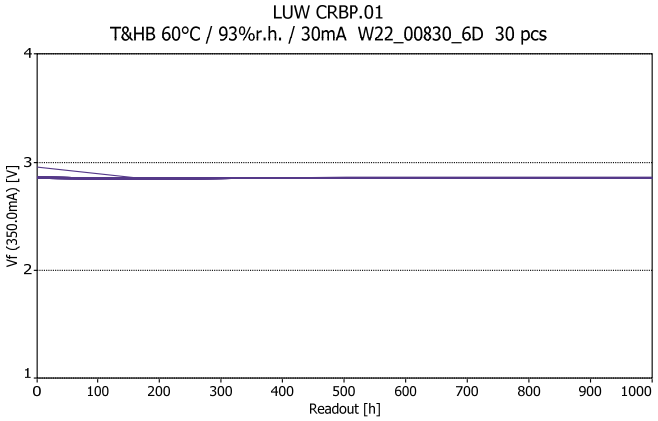

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6C 30 pcs
Vf (350.0mA) [V]
Readout [h]

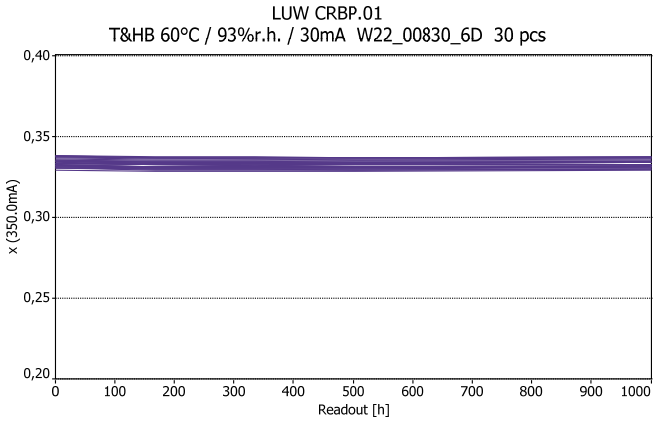

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6C 30 pcs
x (350.0mA)
Readout [h]

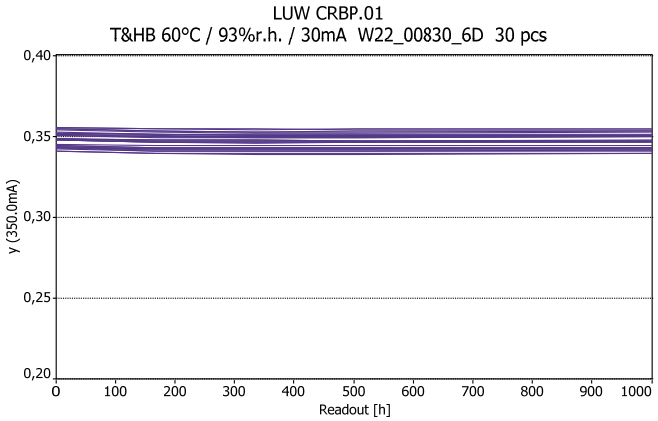

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6C 30 pcs
y (350.0mA)
Readout [h]

Lot D


LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6D 30 pcs
Phiv (350.0mA) [%]
Readout [h]

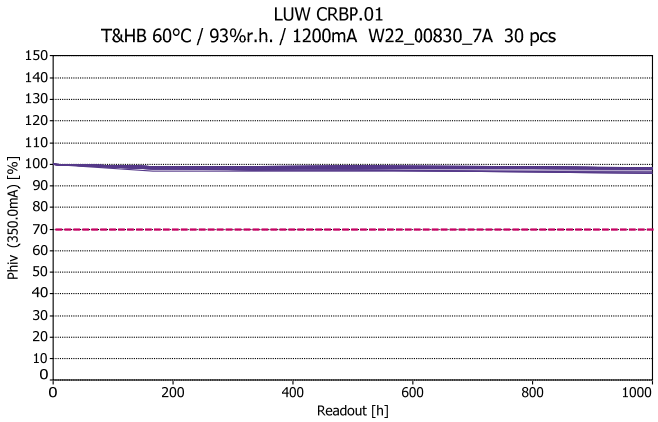

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6D 30 pcs
Vf (350.0mA) [V]
Readout [h]

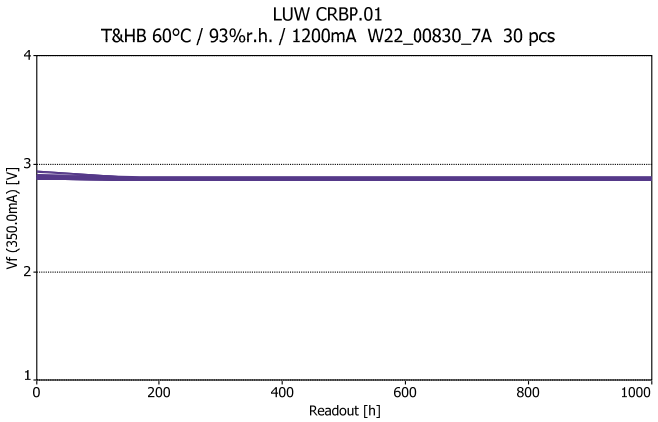

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6D 30 pcs
x (350.0mA)
Readout [h]

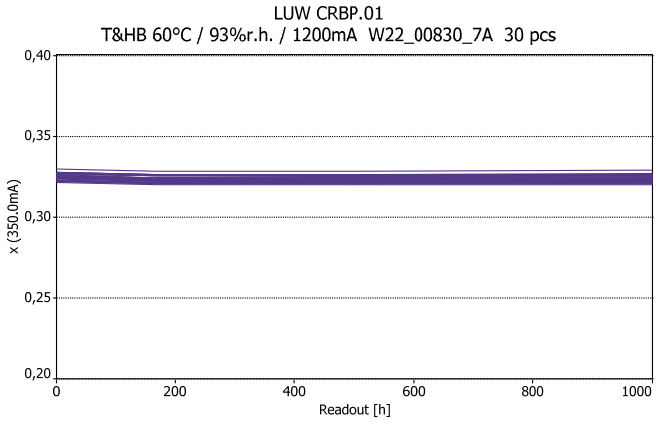

LUW CRBP.01
T&HB 60°C / 93%r.h. / 30mA W22_00830_6D 30 pcs
y (350.0mA)
Readout [h]

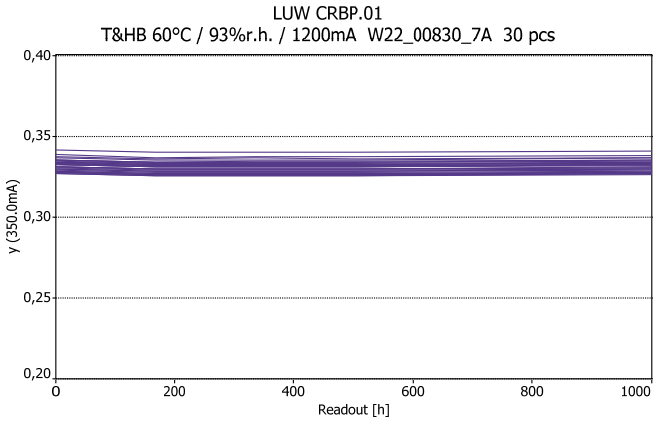
WHTOL 60°C / 93%r.h. / 1200mA

Lot A

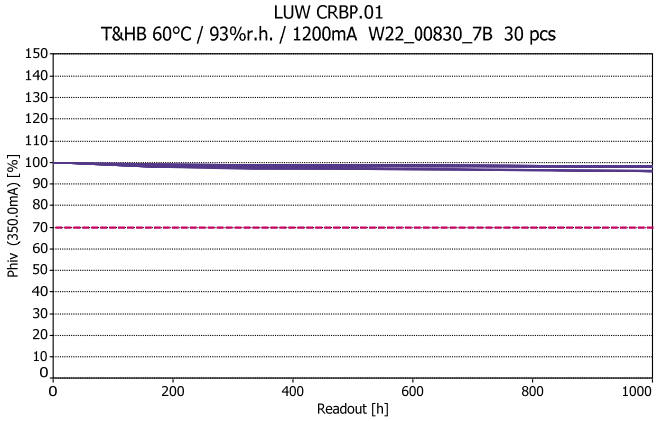


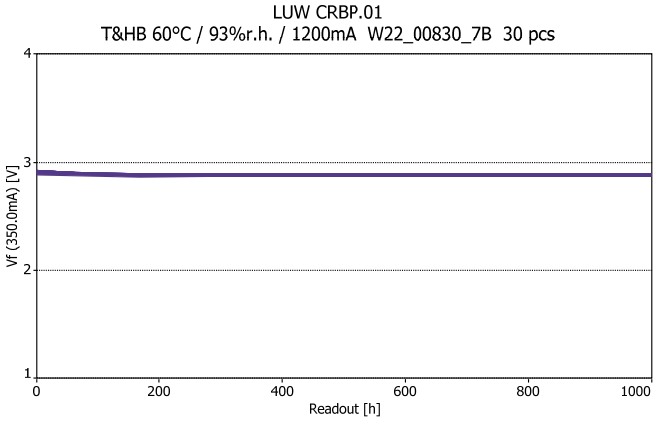


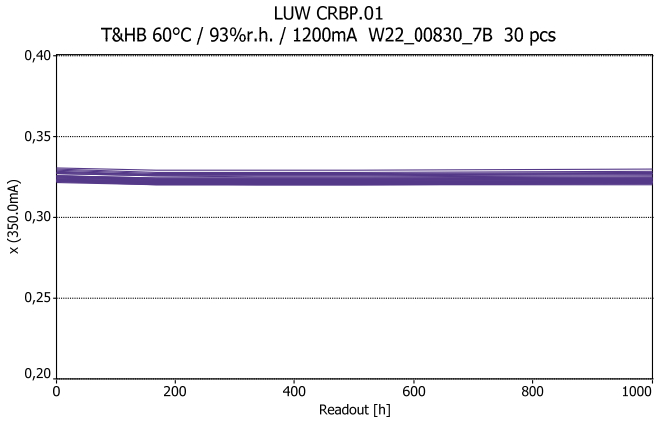


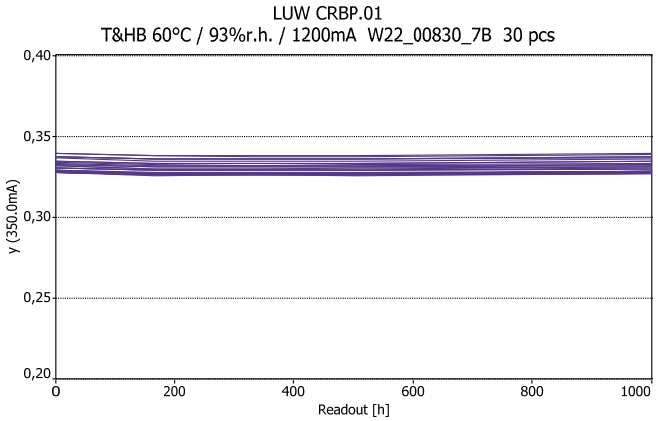


Lot B

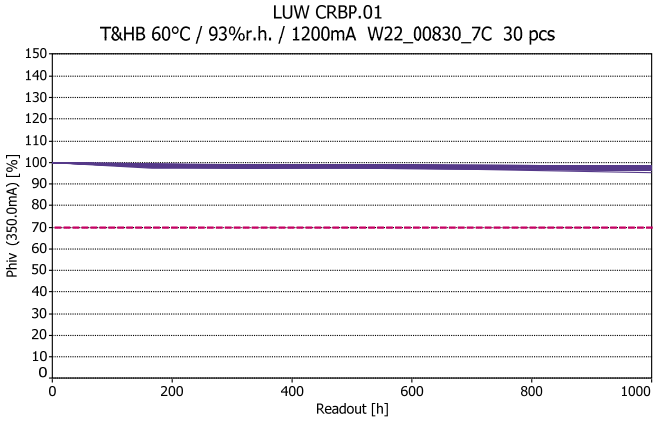

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7B 30 pcs
Phiv (350.0mA) [%]
Readout [h]

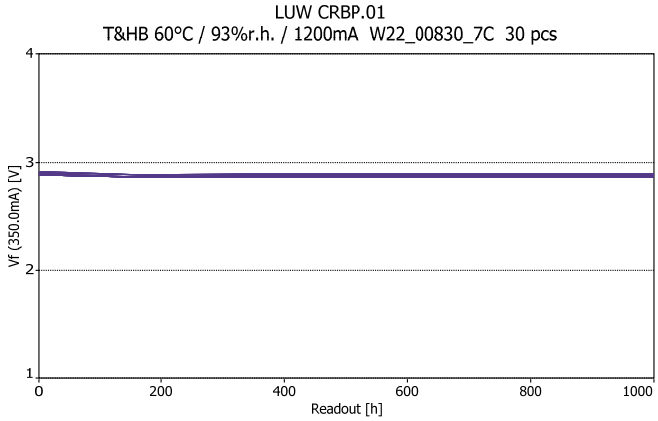

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7B 30 pcs
Vf (350.0mA) [V]
Readout [h]

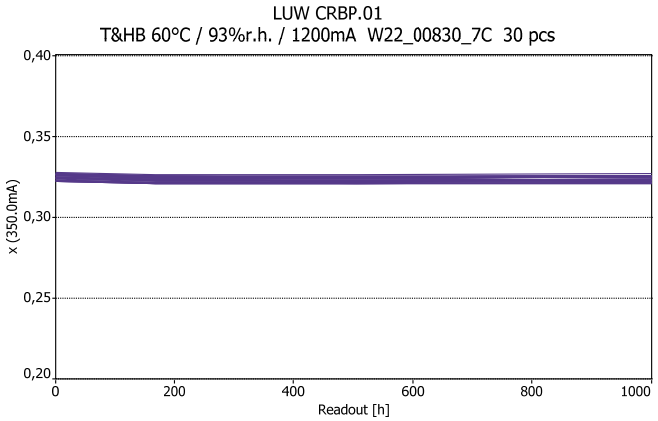

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7B 30 pcs
x (350.0mA)
Readout [h]

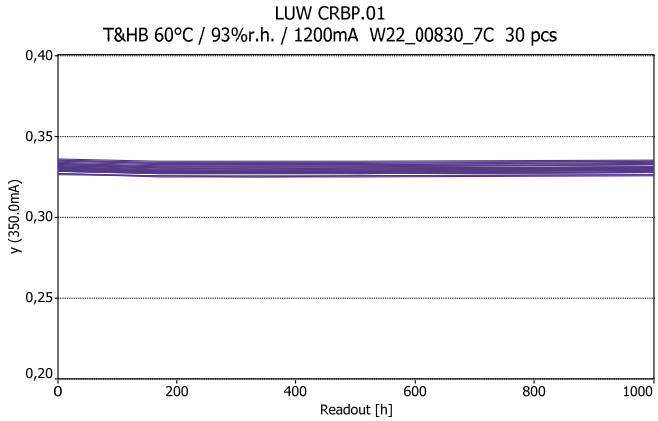

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7B 30 pcs
y (350.0mA)
Readout [h]

Lot C

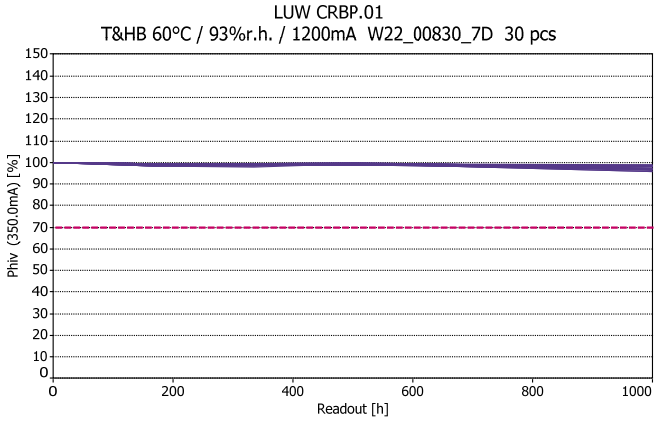

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7C 30 pcs
Phiv (350.0mA) [%]
Readout [h]

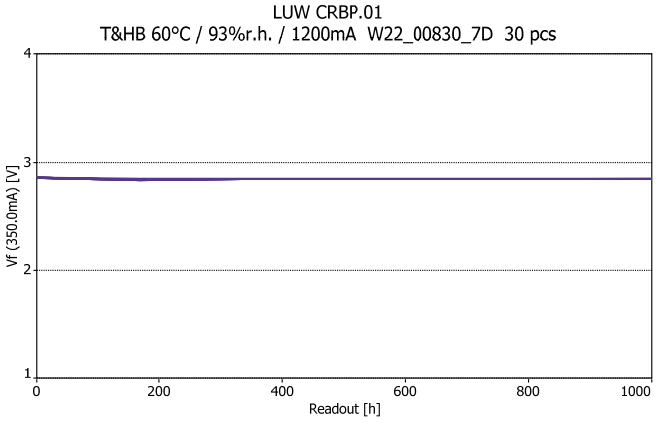

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7C 30 pcs
Vf (350.0mA) [V]
Readout [h]

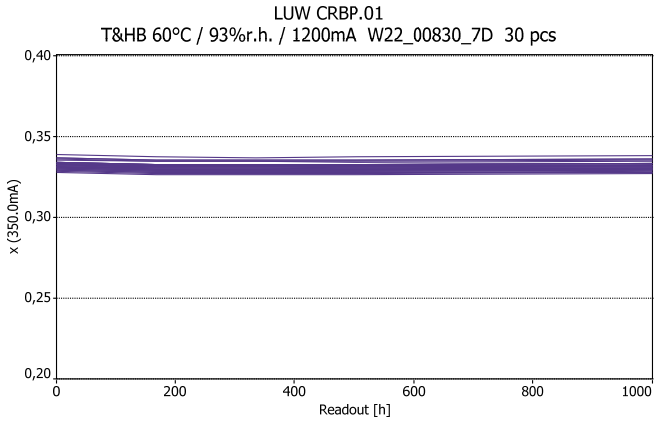

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7C 30 pcs
x (350.0mA)
Readout [h]

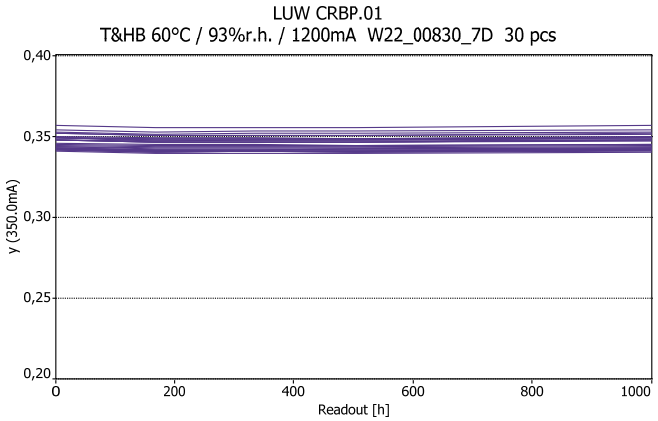

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7C 30 pcs
y (350.0mA)
Readout [h]

Lot D


LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7D 30 pcs
Phiv (350.0mA) [%]
Readout [h]

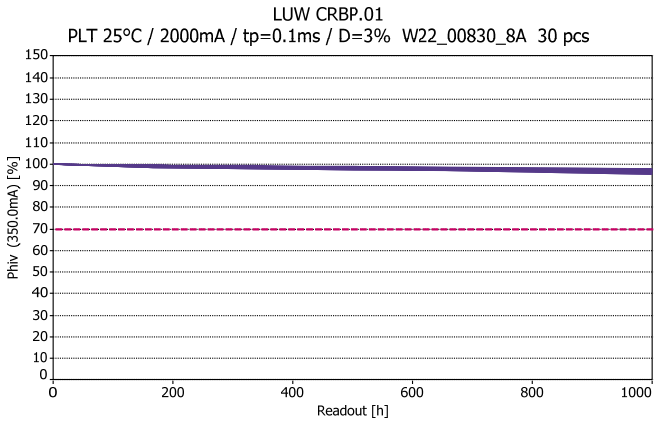

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7D 30 pcs
Vf (350.0mA) [V]
Readout [h]

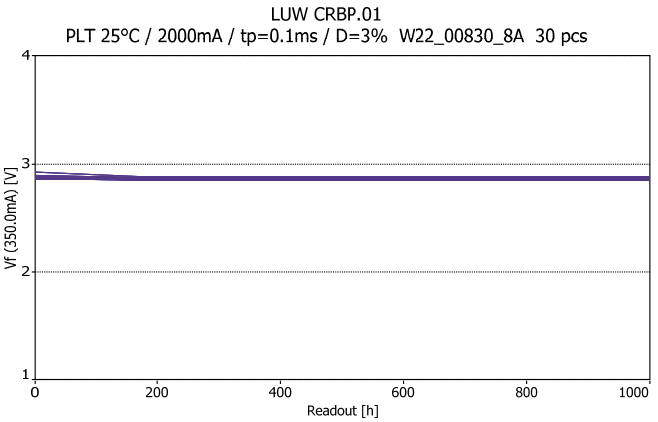

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7D 30 pcs
x (350.0mA)
Readout [h]

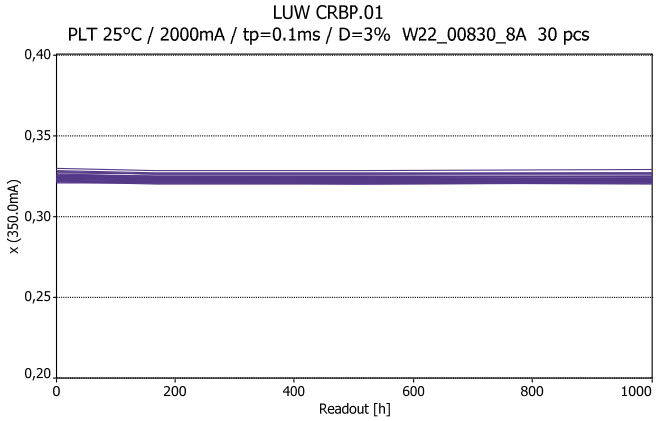

LUW CRBP.01
T&HB 60°C / 93%r.h. / 1200mA W22_00830_7D 30 pcs
y (350.0mA)
Readout [h]

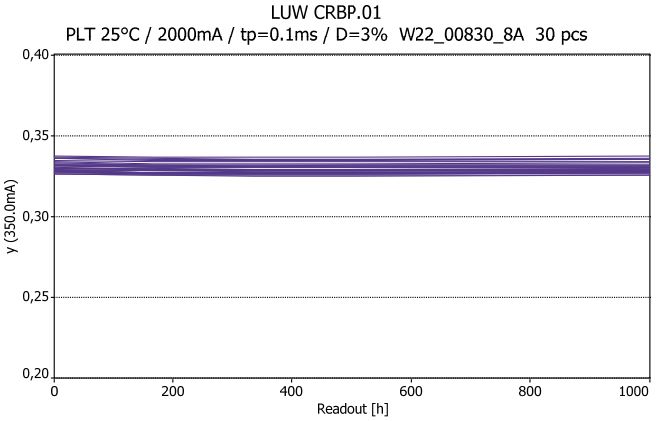
PLT 25°C / 2000mA / tp=0.1ms / D=3%

Lot A

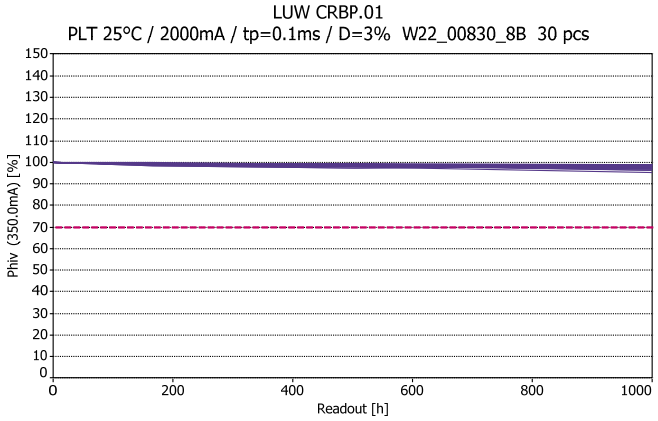


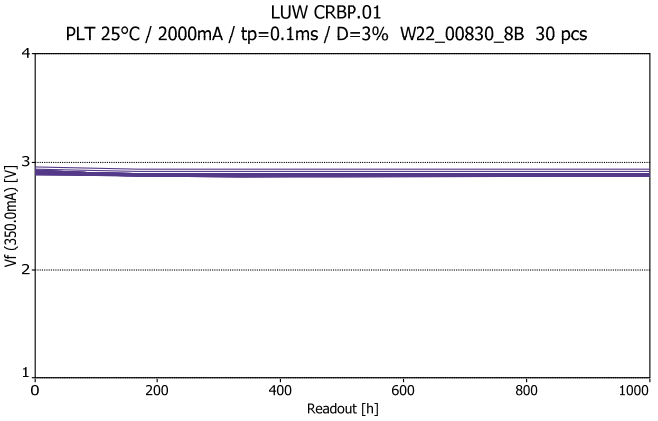


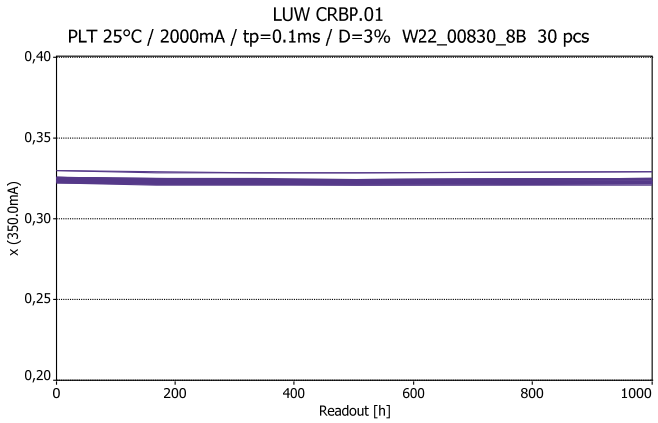


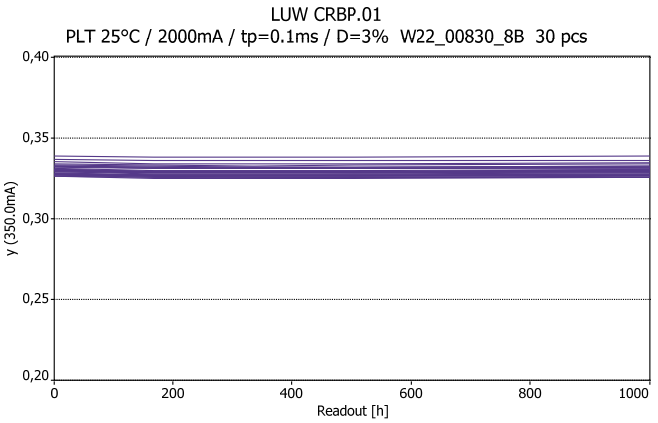


Lot B

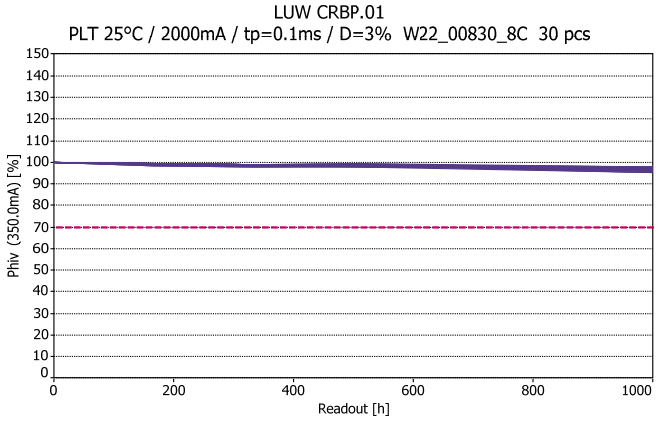

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8B 30 pcs
Phiv (350.0mA) [%]
Readout [h]

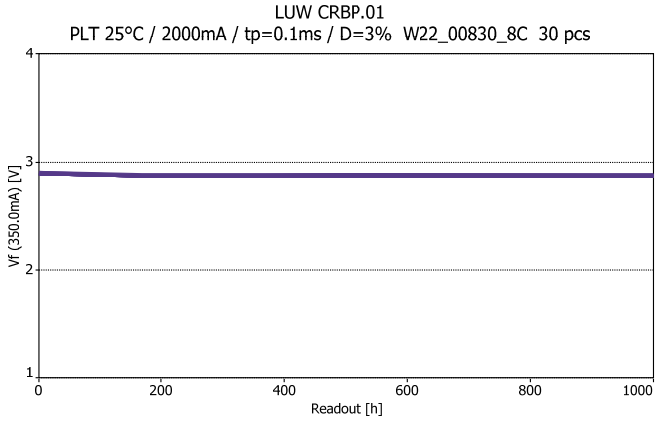

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8B 30 pcs
Vf (350.0mA) [V]
Readout [h]

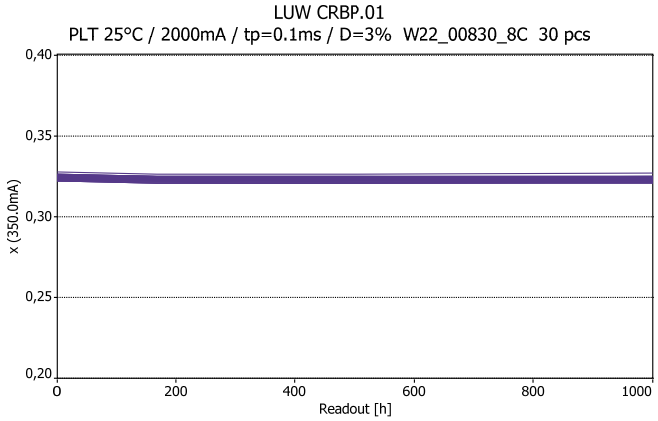

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8B 30 pcs
x (350.0mA)
Readout [h]

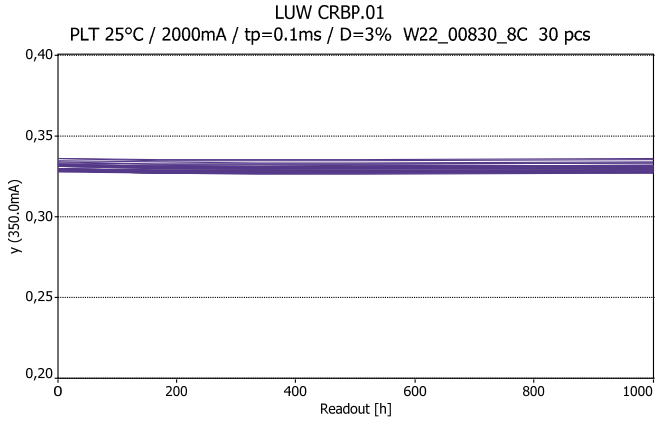

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8B 30 pcs
y (350.0mA)
Readout [h]

Lot C

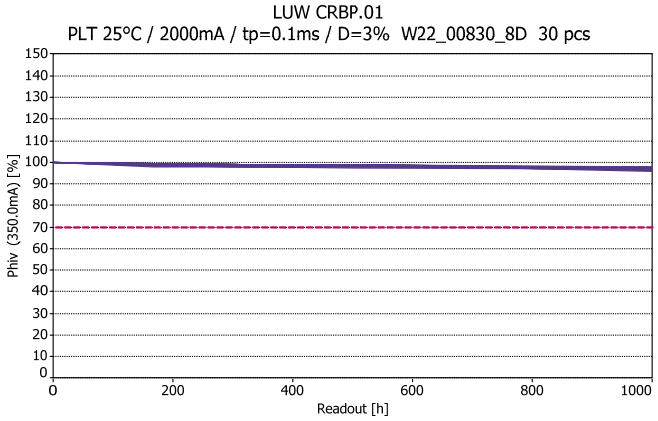

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8C 30 pcs
Phiv (350.0mA) [%]
Readout [h]

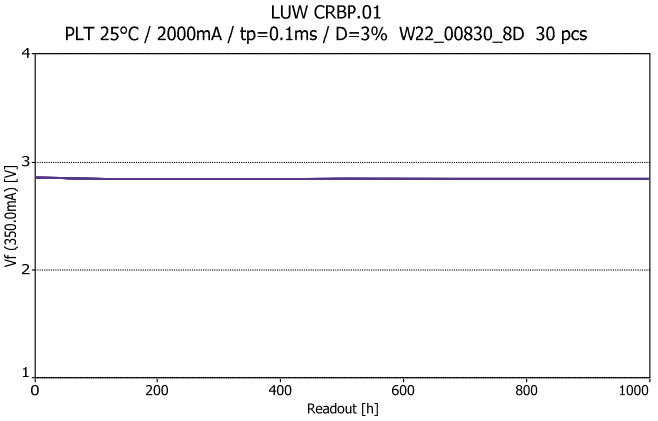

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8C 30 pcs
Vf (350.0mA) [V]
Readout [h]

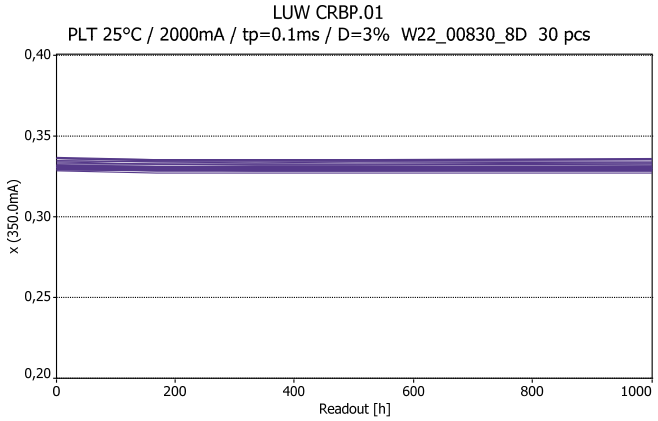

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8C 30 pcs
x (350.0mA)
Readout [h]

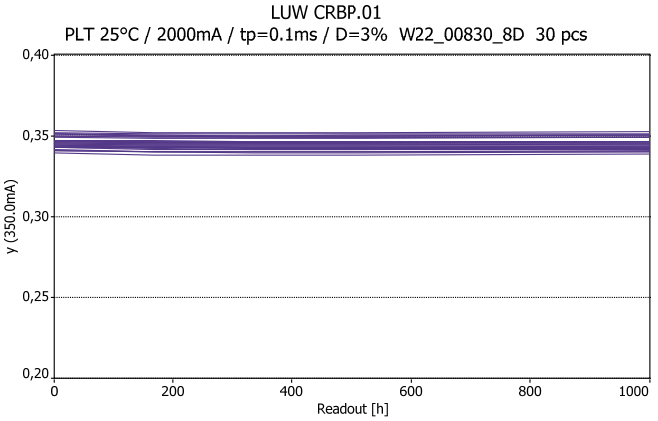

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8C 30 pcs
y (350.0mA)
Readout [h]

Lot D


LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8D 30 pcs
Phiv (350.0mA) [%]
Readout [h]

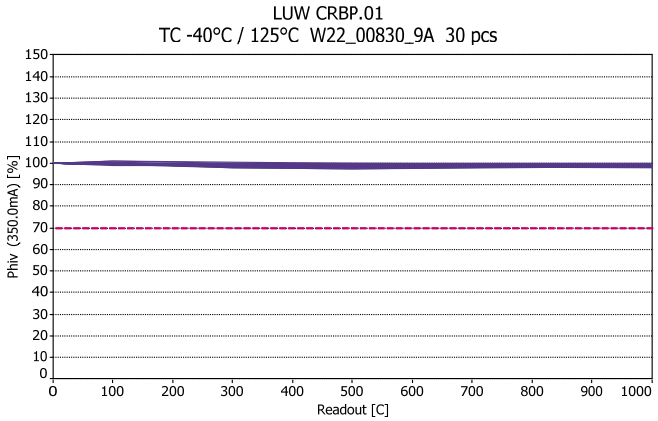

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8D 30 pcs
Vf (350.0mA) [V]
Readout [h]

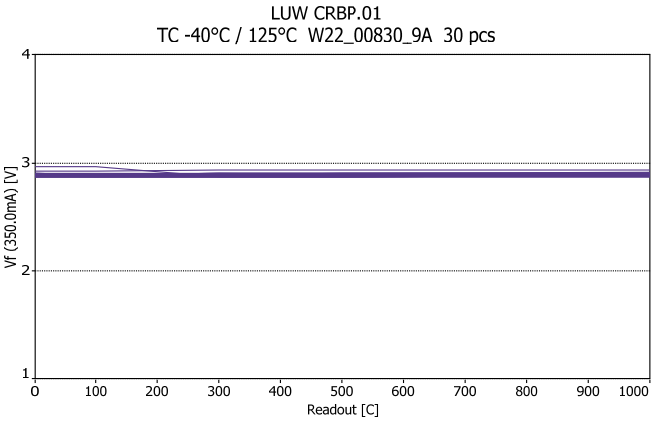

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8D 30 pcs
x (350.0mA)
Readout [h]

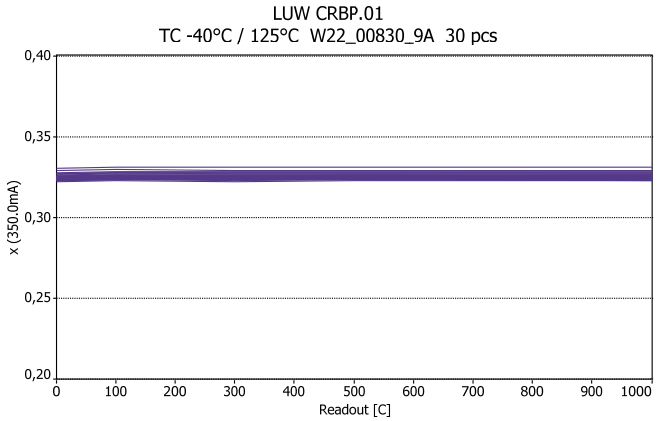

LUW CRBP.01
PLT 25°C / 2000mA / tp=0.1ms / D=3% W22_00830_8D 30 pcs
y (350.0mA)
Readout [h]

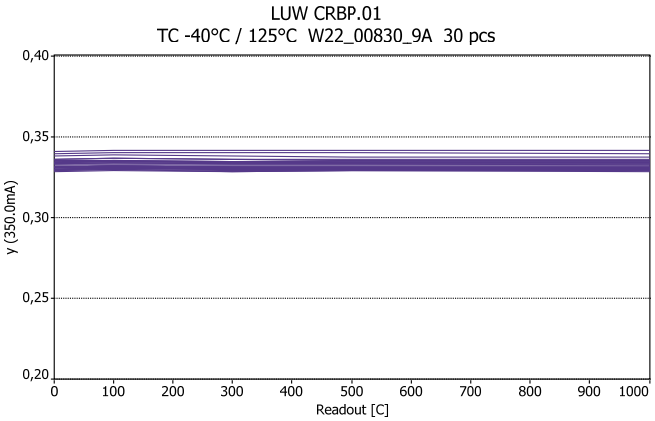
TC -40°C / 125°C

Lot A

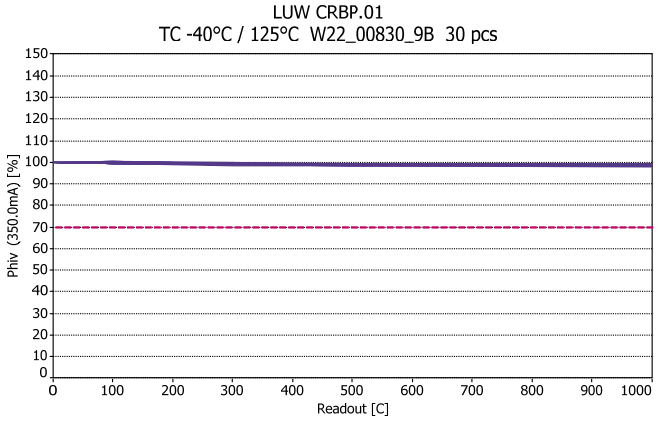


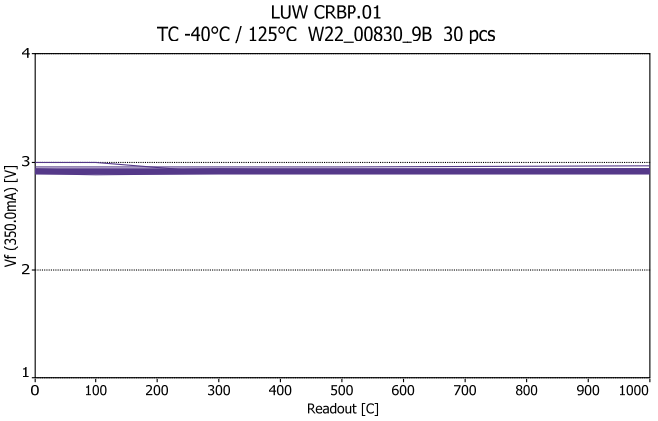


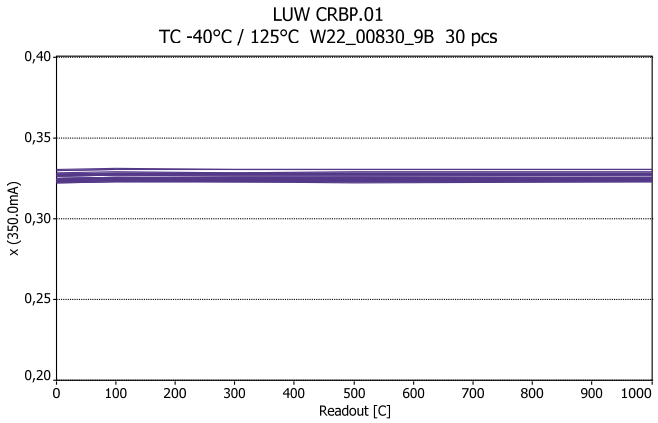


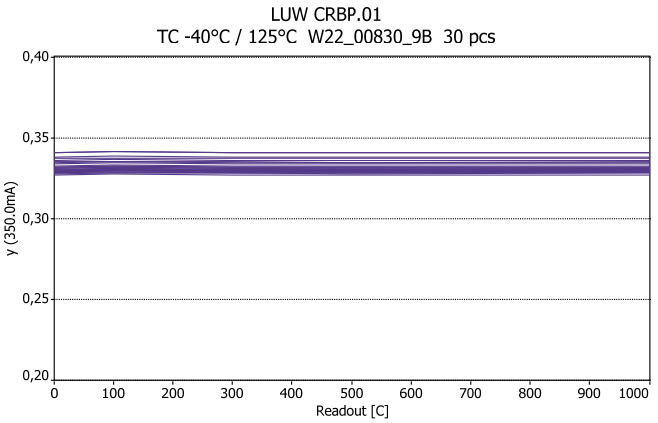


Lot B

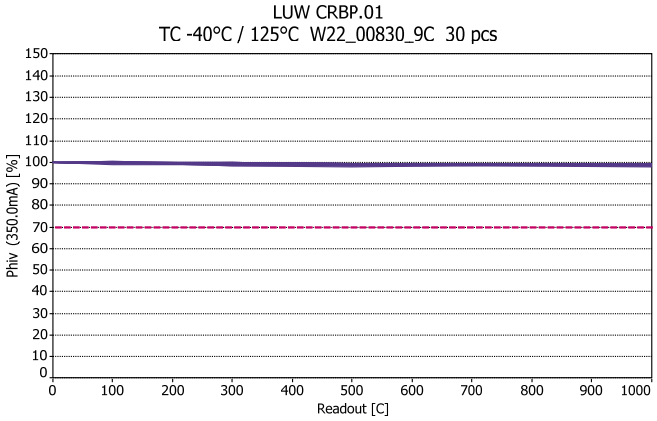

LUW CRBP.01
TC -40°C / 125°C W22_00830_9B 30 pcs
Phiv (350.0mA) [%]
Readout [C]

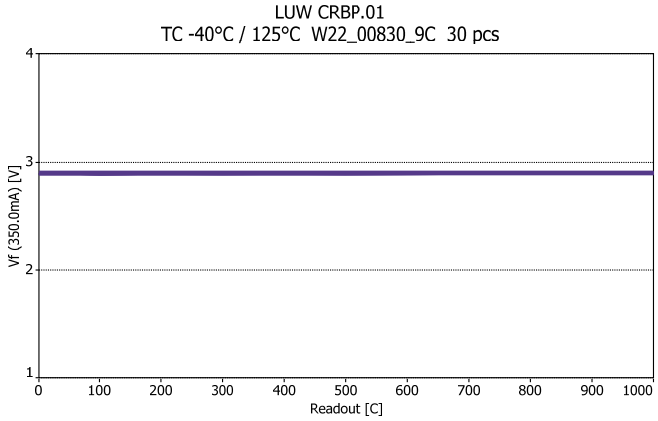

LUW CRBP.01
TC -40°C / 125°C W22_00830_9B 30 pcs
Vf (350.0mA) [V]
Readout [C]

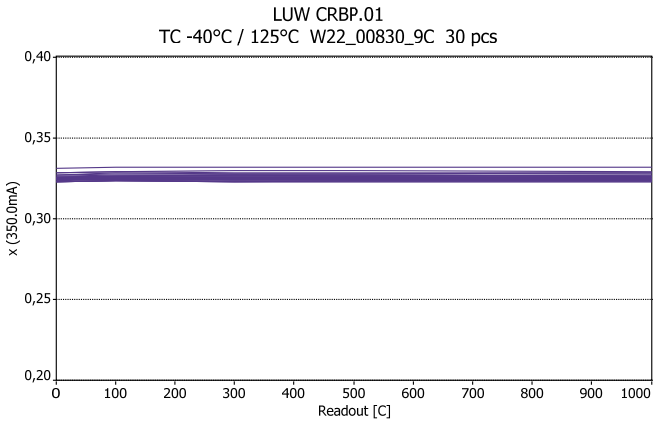

LUW CRBP.01
TC -40°C / 125°C W22_00830_9B 30 pcs
x (350.0mA)
Readout [C]

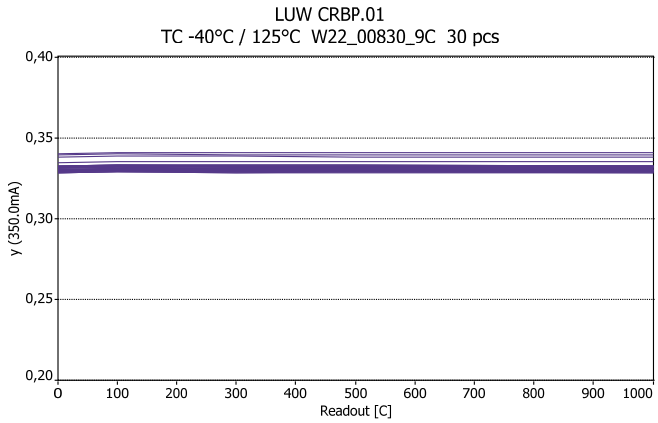

LUW CRBP.01
TC -40°C / 125°C W22_00830_9B 30 pcs
y (350.0mA)
Readout [C]

Lot C

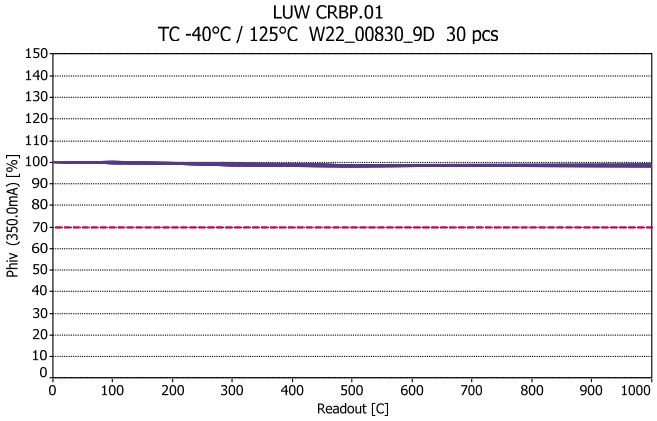

LUW CRBP.01
TC -40°C / 125°C W22_00830_9C 30 pcs
Phiv (350.0mA) [%]
Readout [C]

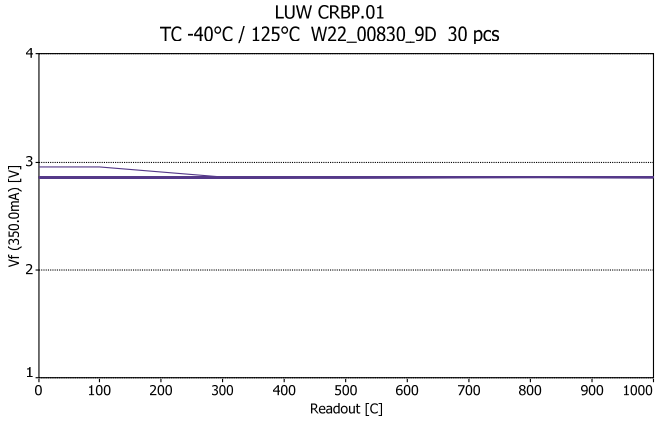

LUW CRBP.01
TC -40°C / 125°C W22_00830_9C 30 pcs
Vf (350.0mA) [V]
Readout [C]

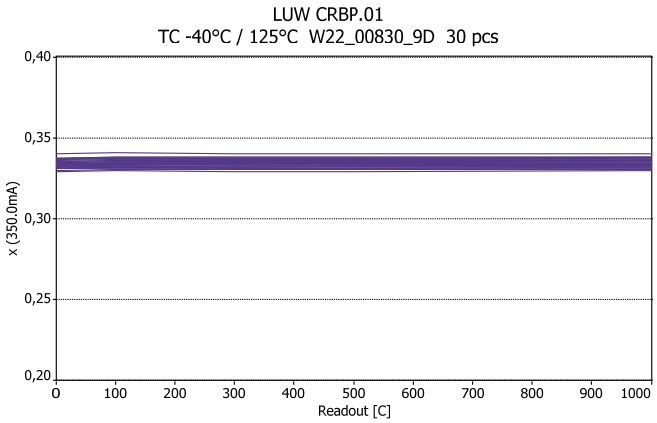

LUW CRBP.01
TC -40°C / 125°C W22_00830_9C 30 pcs
x (350.0mA)
Readout [C]

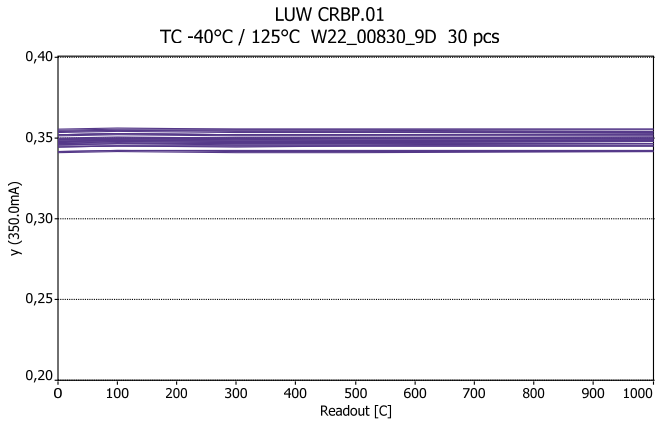

LUW CRBP.01
TC -40°C / 125°C W22_00830_9C 30 pcs
y (350.0mA)
Readout [C]

Lot D


LUW CRBP.01
TC -40°C / 125°C W22_00830_9D 30 pcs
Phiv (350.0mA) [%]
Readout [C]

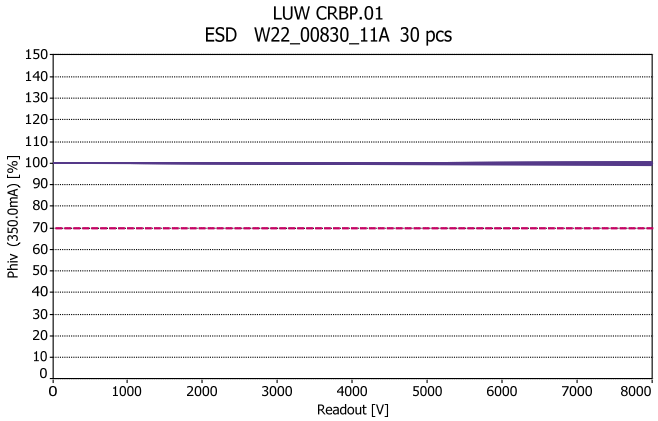

LUW CRBP.01
TC -40°C / 125°C W22_00830_9D 30 pcs
Vf (350.0mA) [V]
Readout [C]

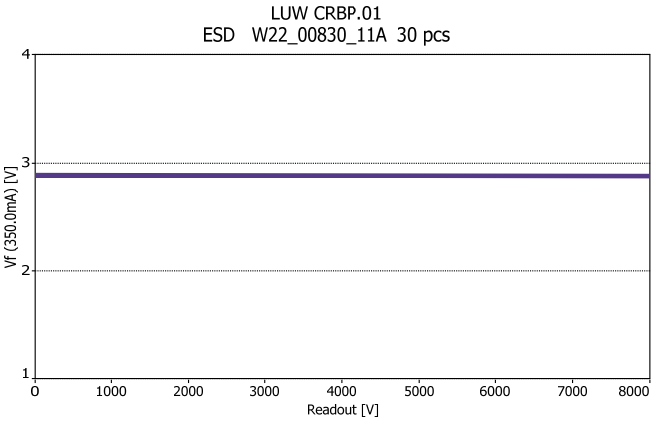

LUW CRBP.01
TC -40°C / 125°C W22_00830_9D 30 pcs
x (350.0mA)
Readout [C]

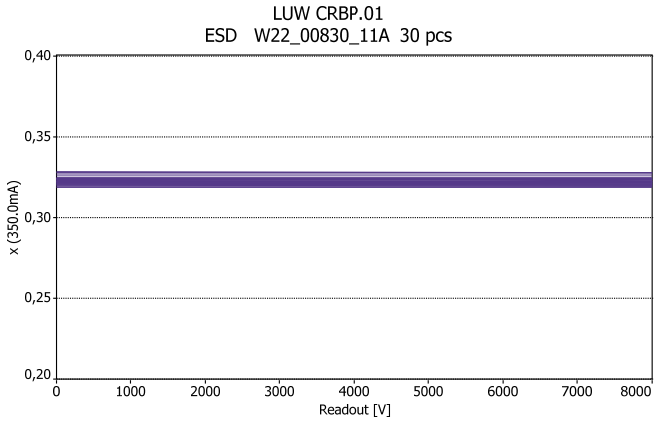

LUW CRBP.01
TC -40°C / 125°C W22_00830_9D 30 pcs
y (350.0mA)
Readout [C]

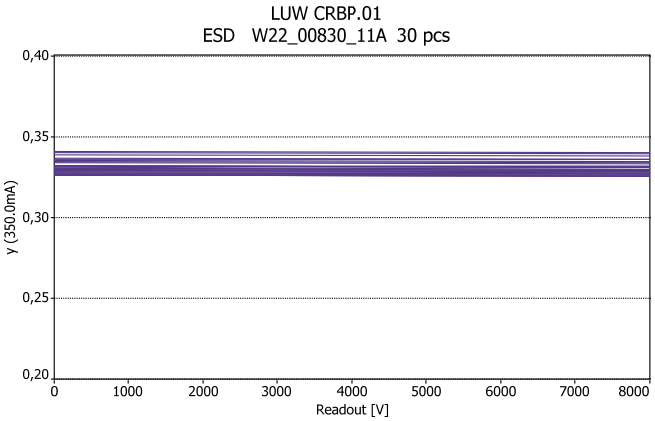
ESD HBM

Lot A

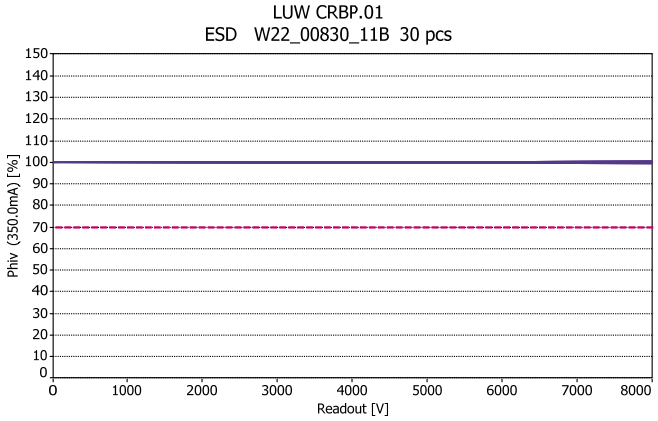

LUW CRBP.01
ESD W22_00830_11A 30 pcs
Phiv (350.0mA) [%]
Readout [V]

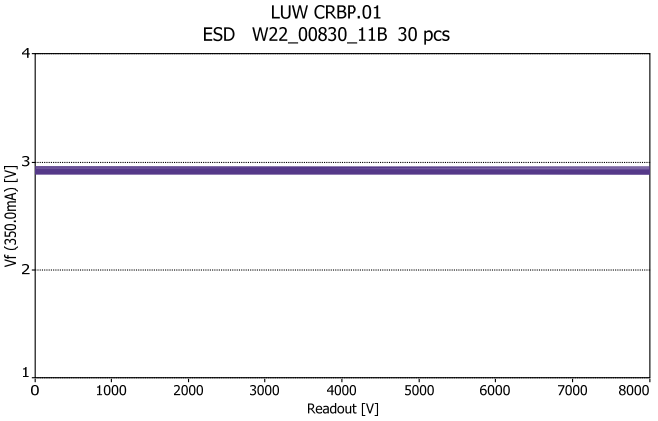

LUW CRBP.01
ESD W22_00830_11A 30 pcs
Vf (350.0mA) [V]
Readout [V]

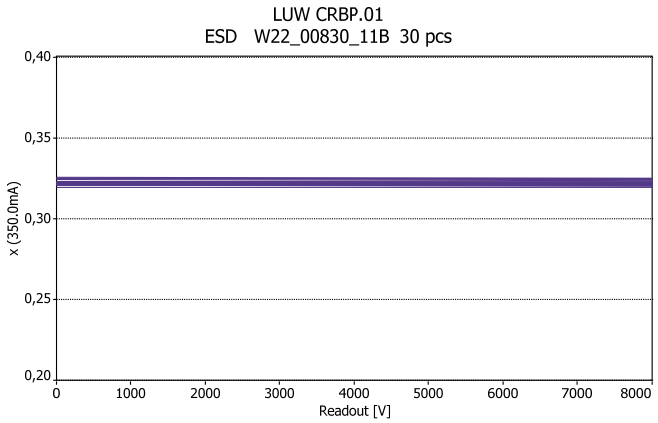

LUW CRBP.01
ESD W22_00830_11A 30 pcs
x (350.0mA)
Readout [V]

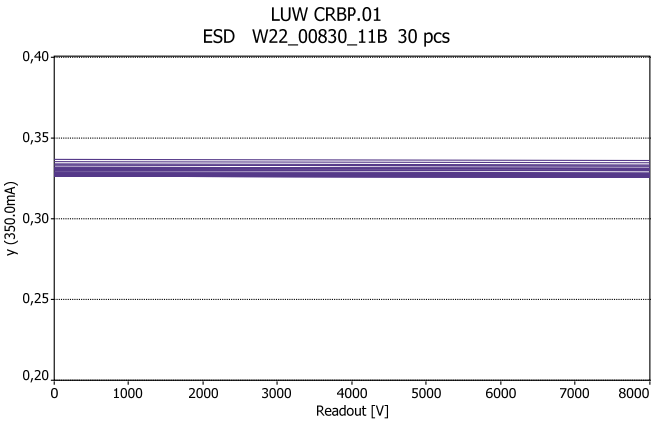

LUW CRBP.01
ESD W22_00830_11A 30 pcs
y (350.0mA)
Readout [V]

Lot B

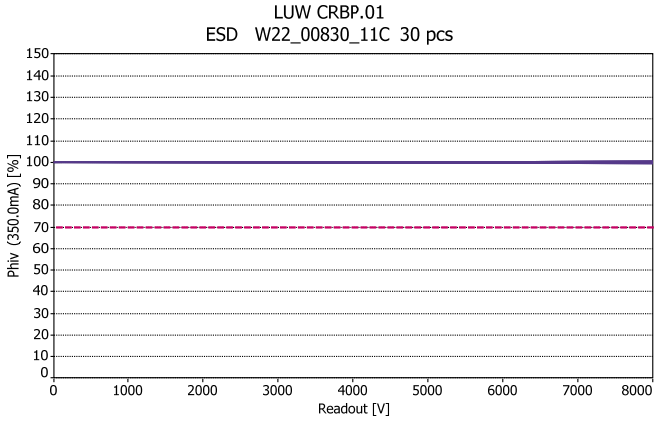

LUW CRBP.01
ESD W22_00830_11B 30 pcs
Phiv (350.0mA) [%]
Readout [V]

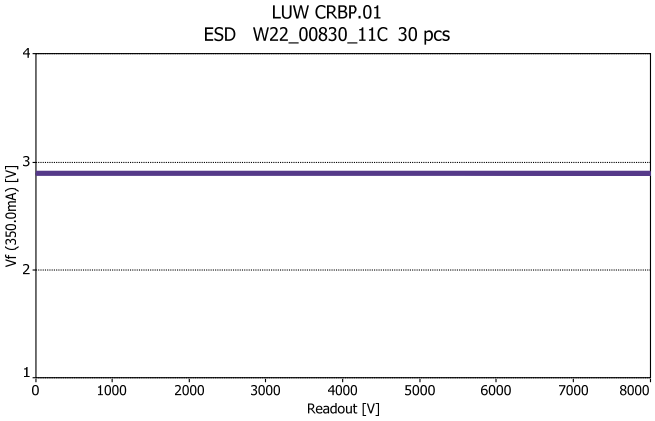

LUW CRBP.01
ESD W22_00830_11B 30 pcs
Vf (350.0mA) [V]
Readout [V]

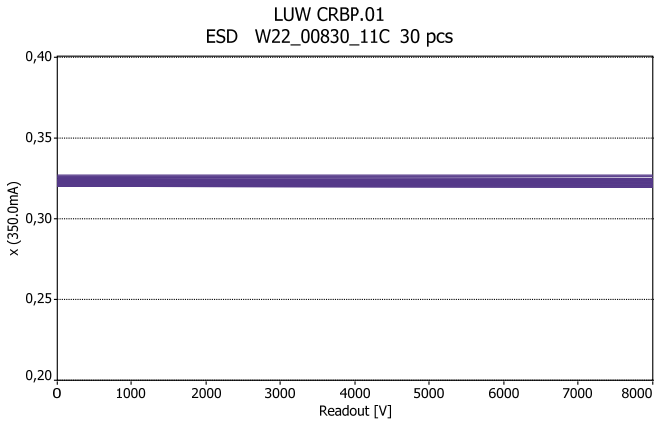

LUW CRBP.01
ESD W22_00830_11B 30 pcs
x (350.0mA)
Readout [V]

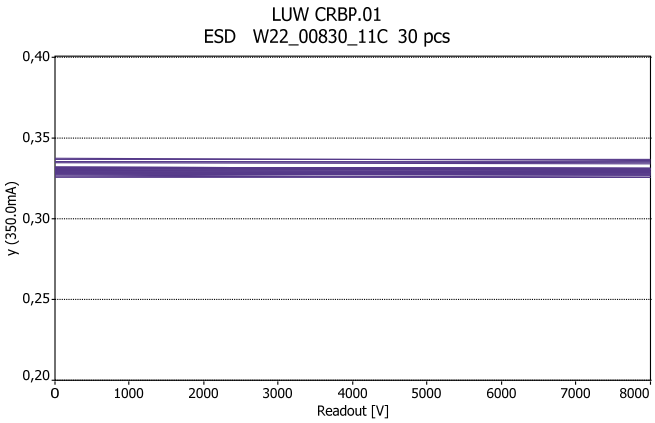

LUW CRBP.01
ESD W22_00830_11B 30 pcs
y (350.0mA)
Readout [V]

Lot C

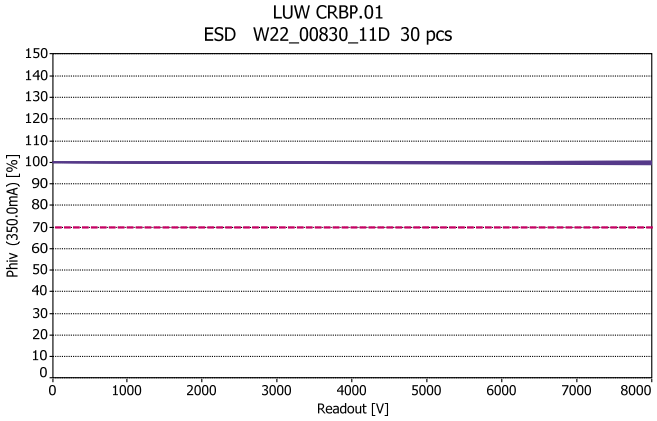

LUW CRBP.01
ESD W22_00830_11C 30 pcs
Phiv (350.0mA) [%]
Readout [V]

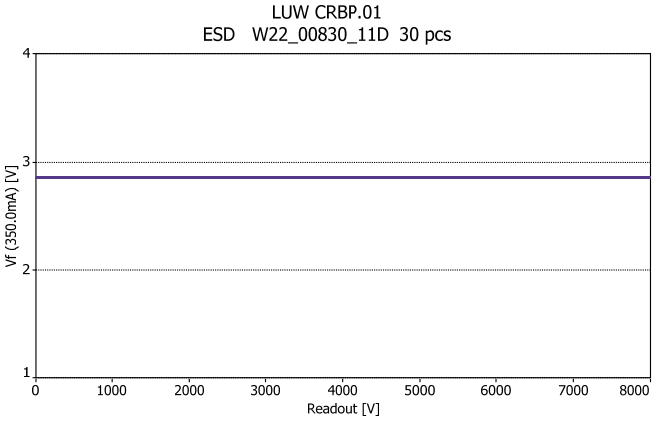

LUW CRBP.01
ESD W22_00830_11C 30 pcs
Vf (350.0mA) [V]
Readout [V]

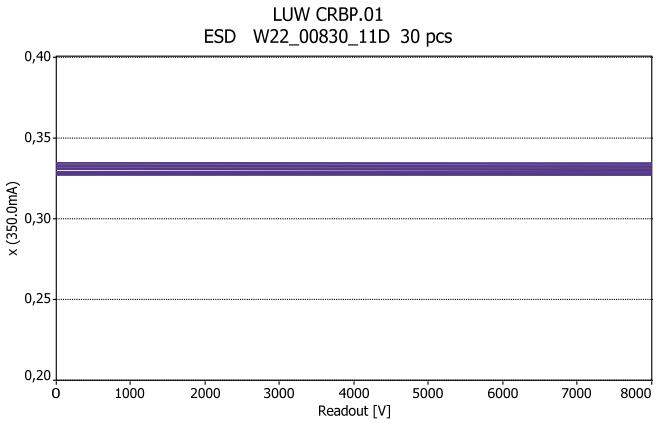

LUW CRBP.01
ESD W22_00830_11C 30 pcs
x (350.0mA)
Readout [V]

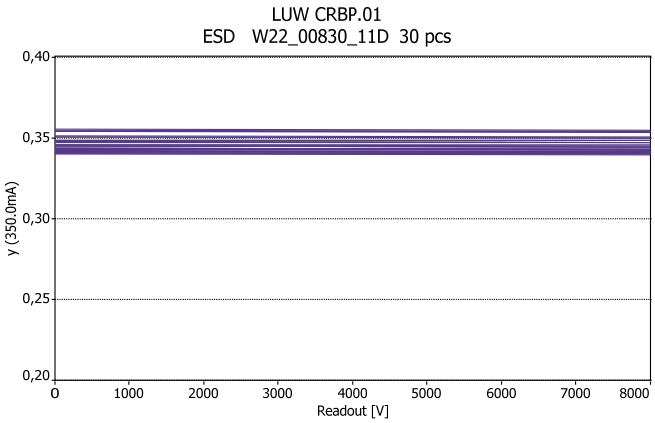

LUW CRBP.01
ESD W22_00830_11C 30 pcs
y (350.0mA)
Readout [V]

Lot D


LUW CRBP.01
ESD W22_00830_11D 30 pcs
Phiv (350.0mA) [%]
Readout [V]

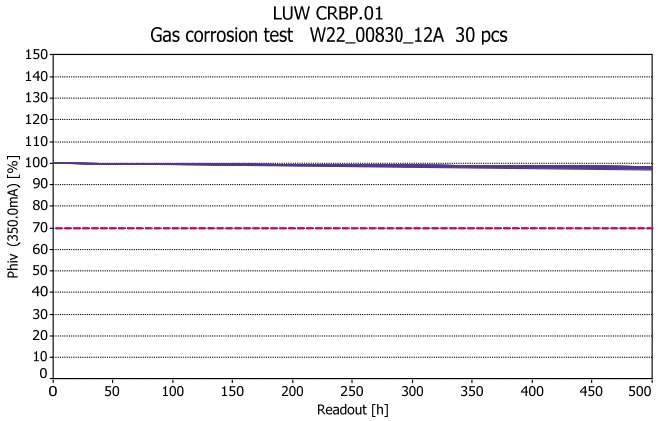

LUW CRBP.01
ESD W22_00830_11D 30 pcs
Vf (350.0mA) [V]
Readout [V]

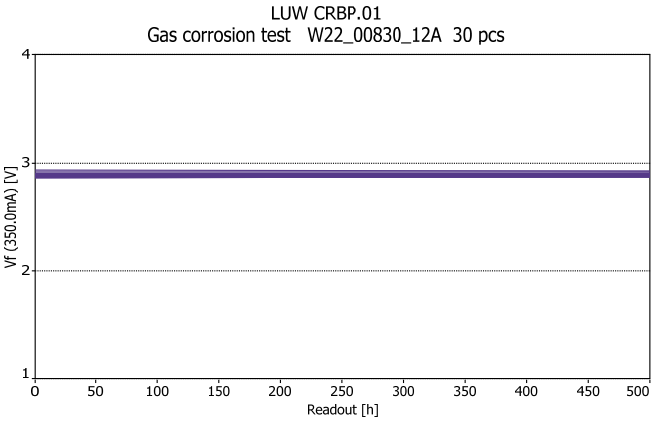

LUW CRBP.01
ESD W22_00830_11D 30 pcs
x (350.0mA)
Readout [V]

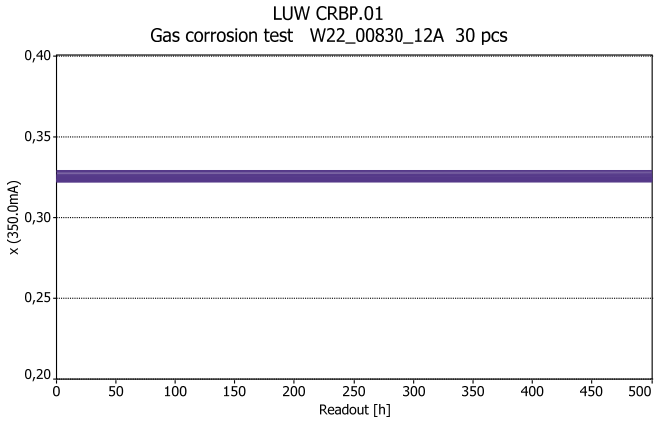

LUW CRBP.01
ESD W22_00830_11D 30 pcs
y (350.0mA)
Readout [V]

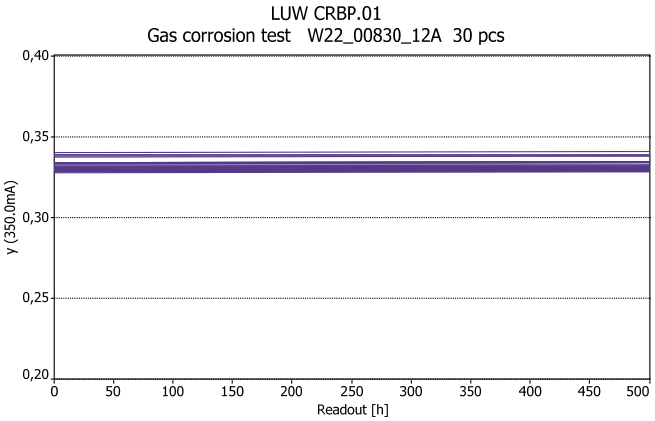
Gas corrosion test

Lot A

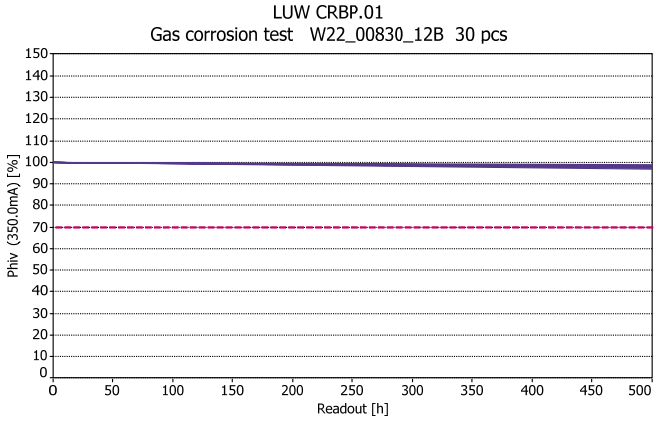


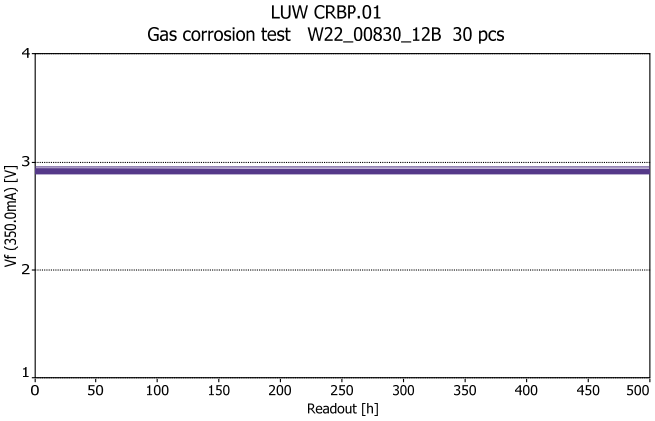


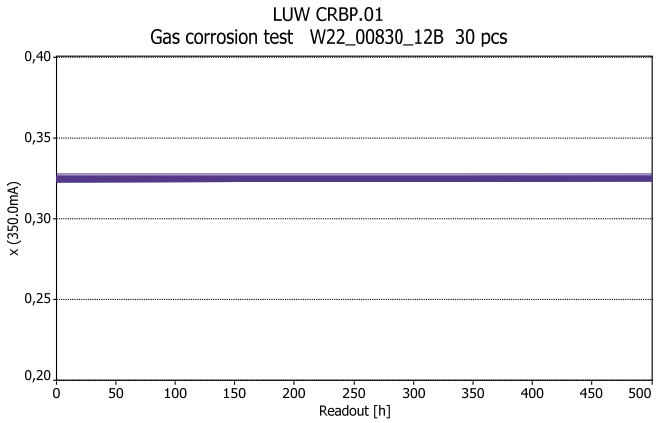


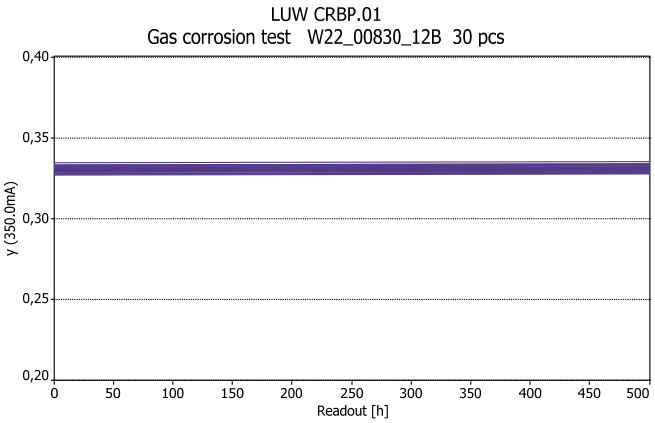


Lot B

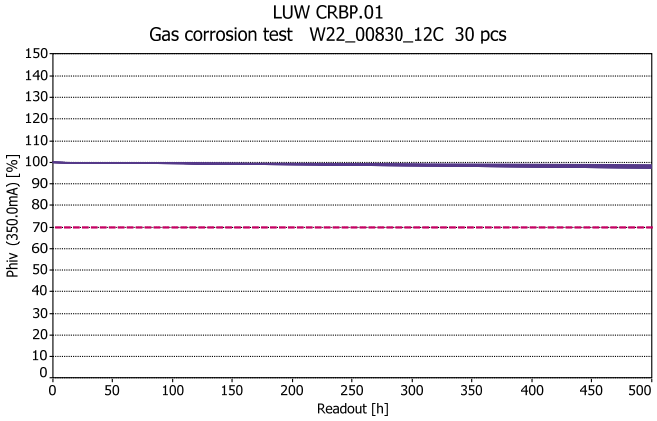

LUW CRBP.01
Gas corrosion test W22_00830_12B 30 pcs
Phiv (350.0mA) [%]
Readout [h]

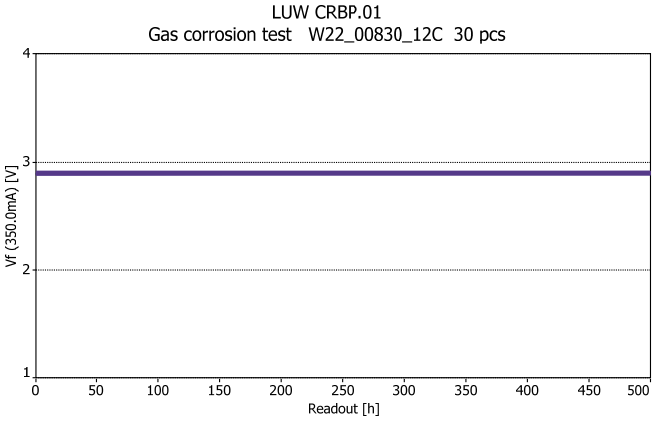

LUW CRBP.01
Gas corrosion test W22_00830_12B 30 pcs
Vf (350.0mA) [V]
Readout [h]

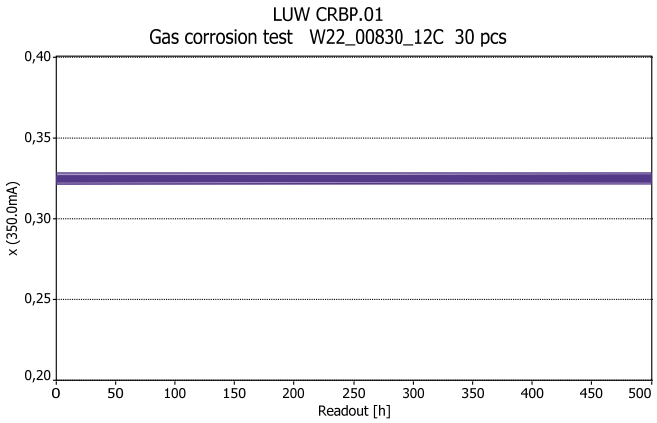

LUW CRBP.01
Gas corrosion test W22_00830_12B 30 pcs
x (350.0mA)
Readout [h]

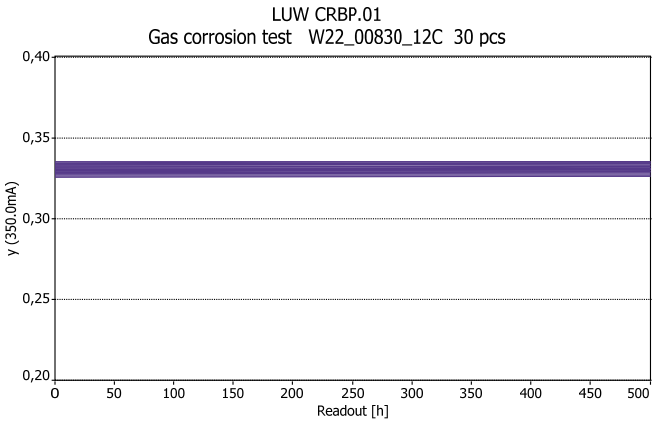

LUW CRBP.01
Gas corrosion test W22_00830_12B 30 pcs
y (350.0mA)
Readout [h]

Lot C

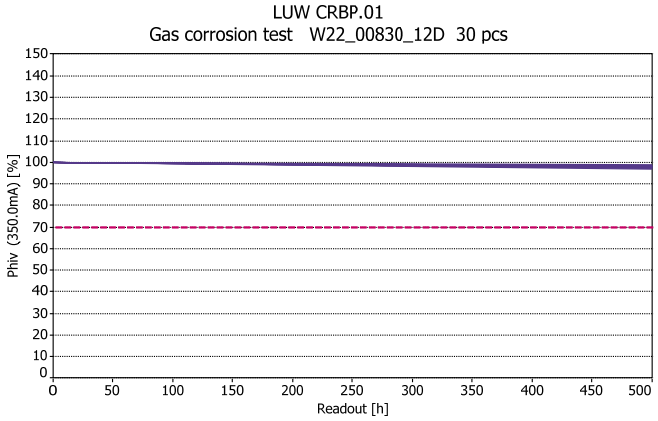

LUW CRBP.01
Gas corrosion test W22_00830_12C 30 pcs
Phiv (350.0mA) [%]
Readout [h]

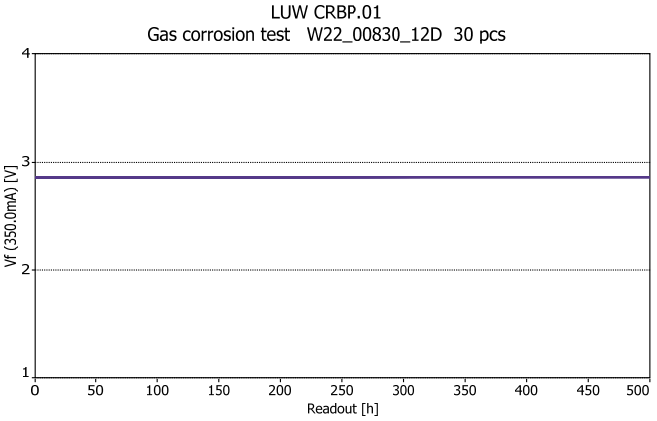

LUW CRBP.01
Gas corrosion test W22_00830_12C 30 pcs
Vf (350.0mA) [V]
Readout [h]

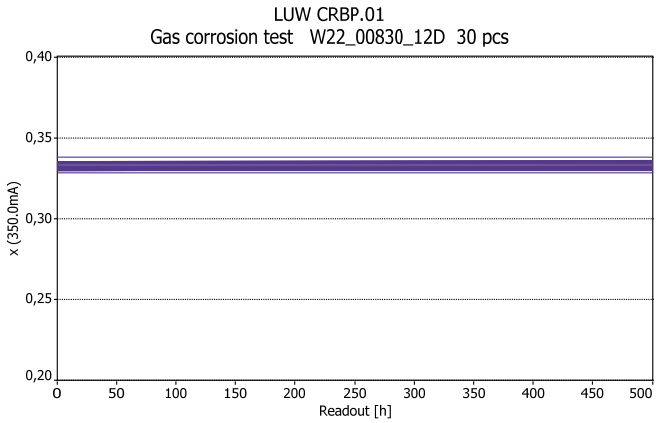

LUW CRBP.01
Gas corrosion test W22_00830_12C 30 pcs
x (350.0mA)
Readout [h]

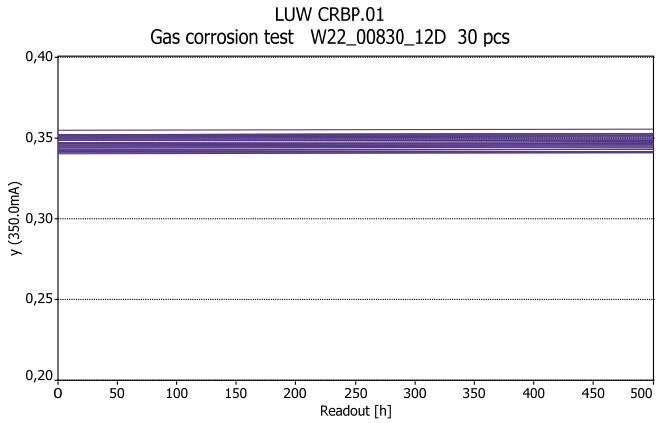

LUW CRBP.01
Gas corrosion test W22_00830_12C 30 pcs
y (350.0mA)
Readout [h]

Lot D


LUW CRBP.01
Gas corrosion test W22_00830_12D 30 pcs
Phiv (350.0mA) [%]
Readout [h]

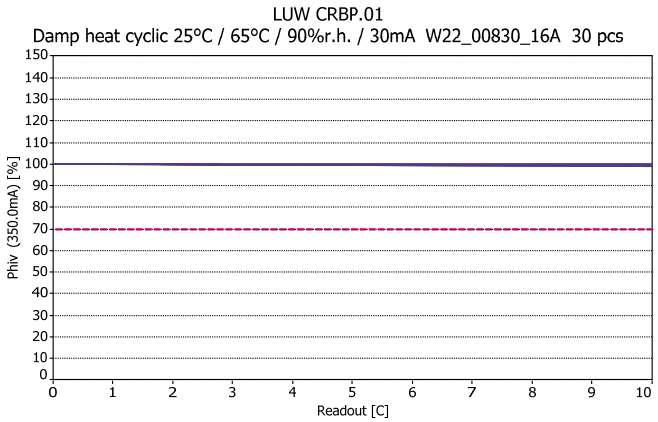

LUW CRBP.01
Gas corrosion test W22_00830_12D 30 pcs
Vf (350.0mA) [V]
Readout [h]

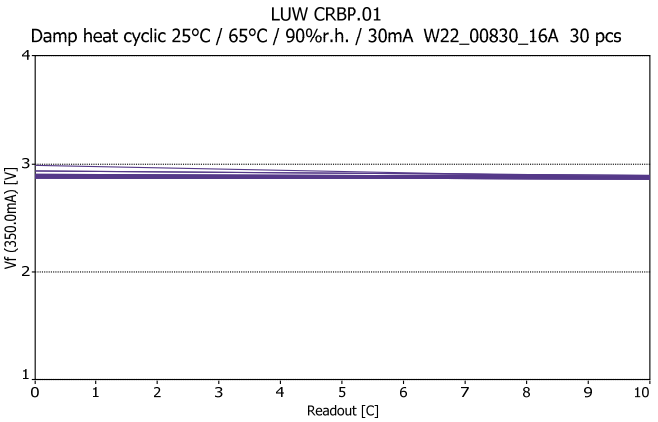

LUW CRBP.01
Gas corrosion test W22_00830_12D 30 pcs
x (350.0mA)
Readout [h]

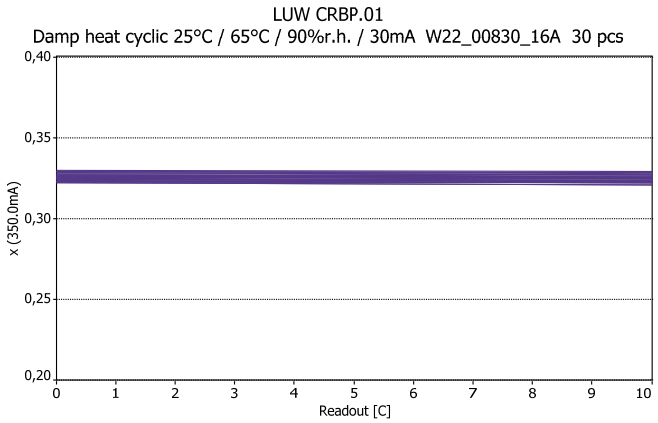

LUW CRBP.01
Gas corrosion test W22_00830_12D 30 pcs
y (350.0mA)
Readout [h]

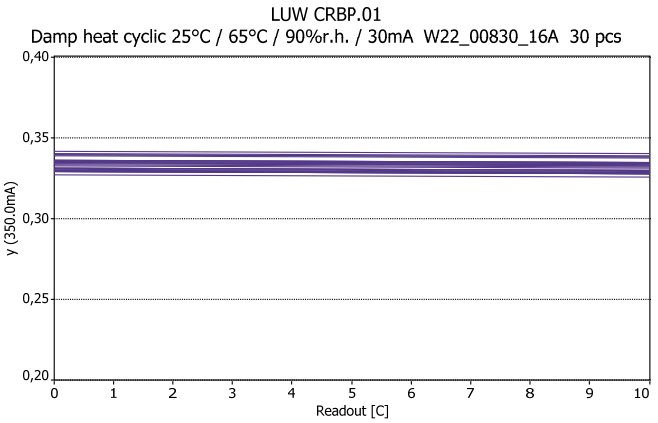
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA

Lot A

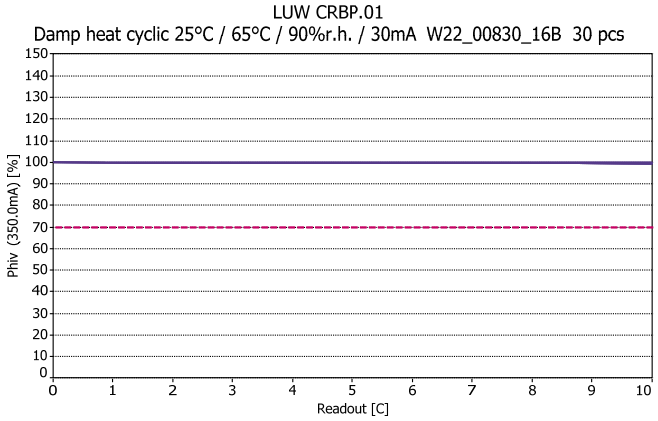


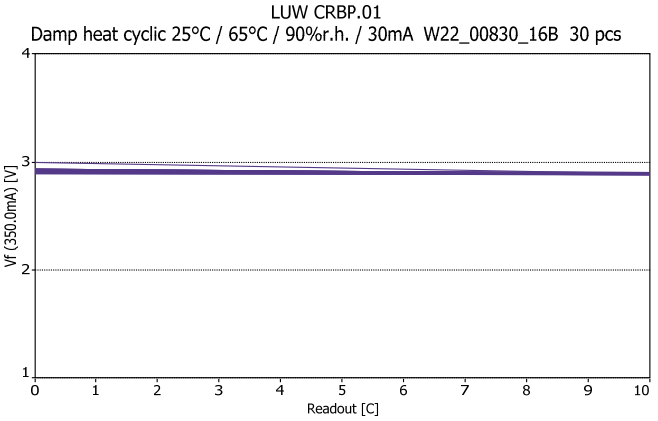


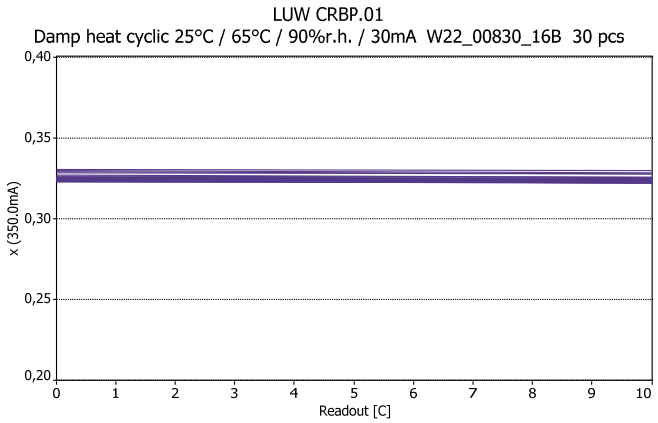


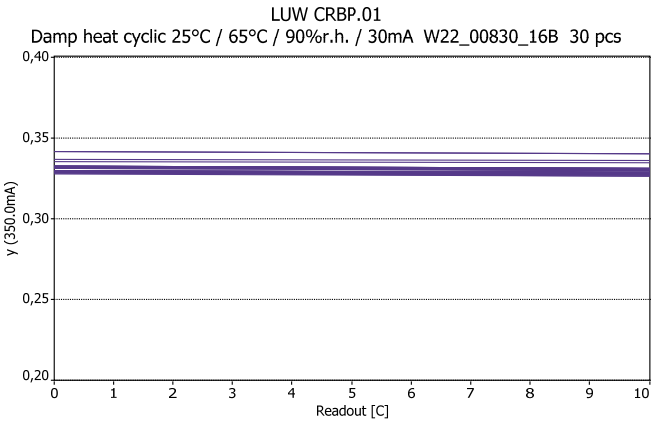


Lot B

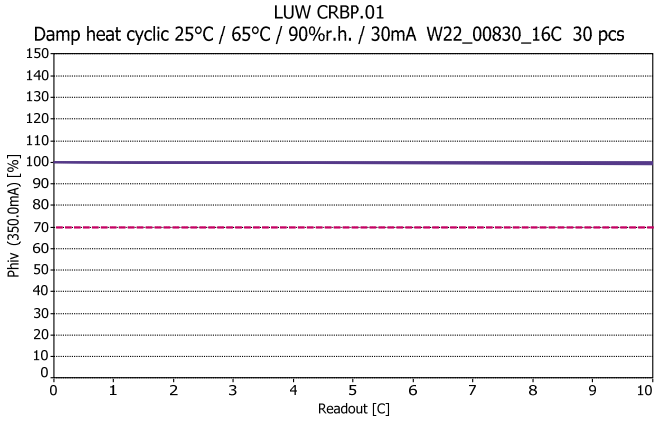

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16B 30 pcs
Phiv (350.0mA) [%]
Readout [C]

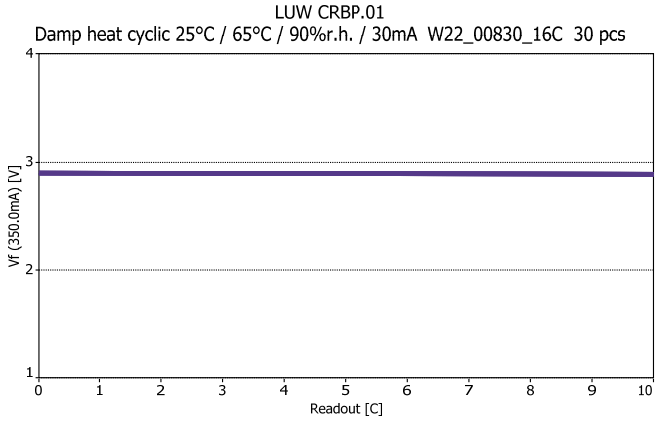

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16B 30 pcs
Vf (350.0mA) [V]
Readout [C]

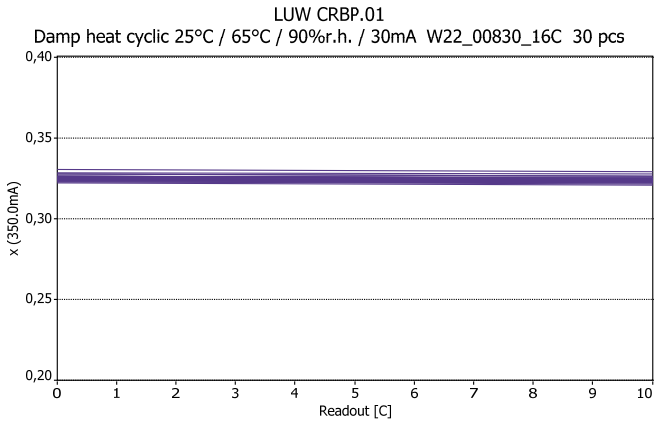

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16B 30 pcs
x (350.0mA)
Readout [C]

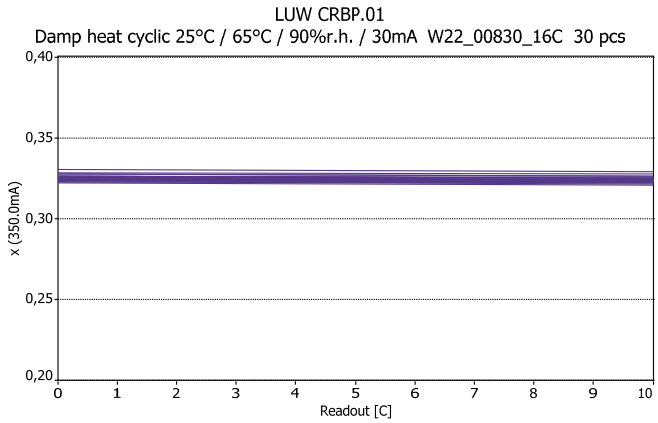

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16B 30 pcs
y (350.0mA)
Readout [C]

Lot C

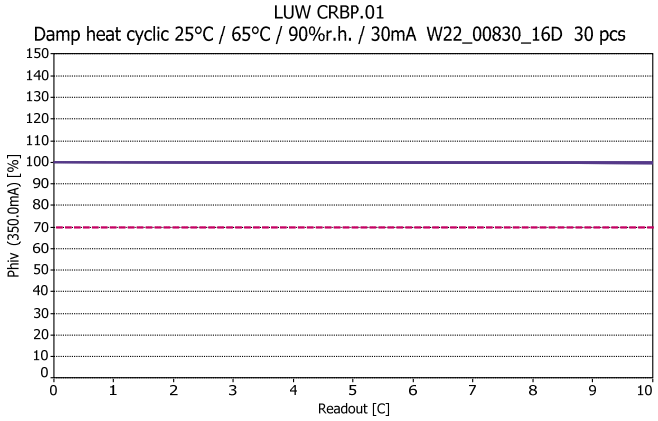

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16C 30 pcs
Phiv (350.0mA) [%]
Readout [C]

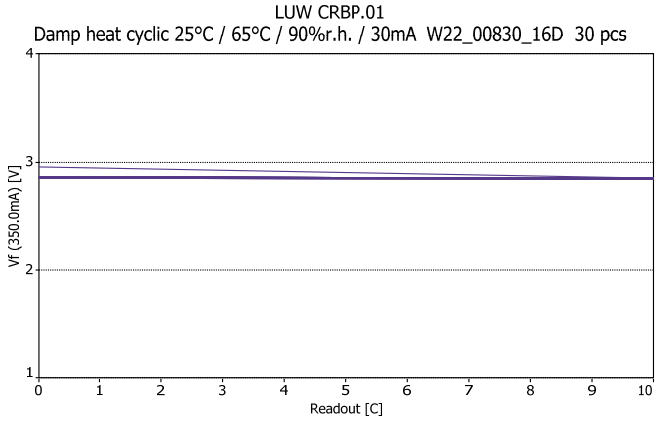

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16C 30 pcs
Vf (350.0mA) [V]
Readout [C]

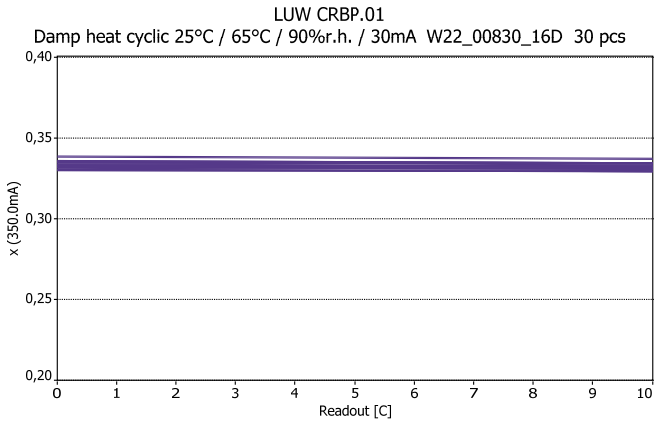

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16C 30 pcs
x (350.0mA)
Readout [C]

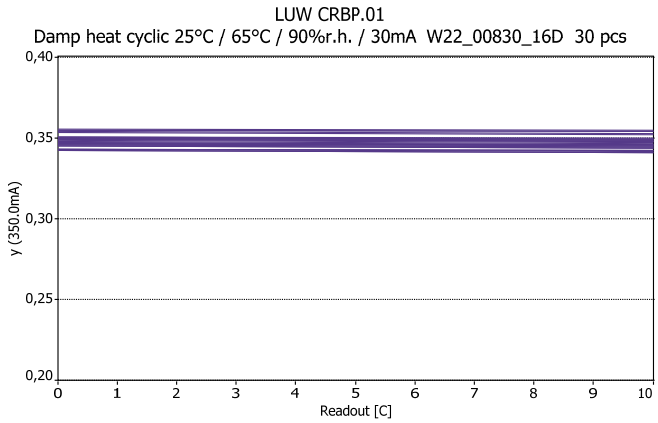

LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16C 30 pcs
x (350.0mA)
Readout [C]

Lot D


LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16D 30 pcs
Phiv (350.0mA) [%]
Readout [C]


LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16D 30 pcs
Vf (350.0mA) [V]
Readout [C]


LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16D 30 pcs
x (350.0mA)
Readout [C]


LUW CRBP.01
Damp heat cyclic 25°C / 65°C / 90%r.h. / 30mA W22_00830_16D 30 pcs
y (350.0mA)
Readout [C]

END OF DOCUMENT

ams-OSRAM AG
Tobelbader Strasse 30
8141 Premstaetten, Austria
Phone +43 3136 500-0
ams-osram.com