EVERLIGHT Electronics Co., Ltd.
Attn: No.6-8, Zhonghua Road, Shulin Dist., New Taipei City,23860, Taiwan
PHONE: 886 2 2685 6688 (各廠自行填寫實際電話)
FAX: 886-2-2685-6880 (各廠自行填寫實際傳真)

☒ PRODUCT/PROCESS CHANGE NOTIFICATION
☐ PRODUCT TERMINATION NOTIFICATION

PCN tracking number: PCN20260915-02 - CN26090008 **DATE:** 10.09.2026

Contact:H Hmao
Title: PM
E-mail: williamtsai@everlight.com
Phone: + 886 -2-2685-6880 2609
Fax: + 886-2-2685-6880

Product influenced: ☒ Major change ☐ Minor change

Product Identification: (e.g., affected supplier part number(s), affected product lines including specific package types, product family):
See attached list of affected parts

Customer part number(s) (optional, if not required per agreed to customer criteria):
N/A

Method, if applicable, of identifying changed product:
No visual/appearance change to the finished product.

Reason for change(s):
- ☐ Products Package Outline Dimension
- ☐ Electrical/Optical Specification
- ☒ Material: Raw Material
- ☐ Equipment
- ☐ Machine: molding, tooling, equipment
- ☐ Packing
- ☐ Others

Detailed description:
To maintain supply stability and delivery quality, Everlight will introduce qualified chip source.
As this constitutes a material/component change, a PCN (Product Change Notice) is hereby issued.

Anticipated (positive and negative) impact on form, fit, function, quality, or reliability:
The physical appearance of the new chip remains unchanged, with both yield and electrical characteristics fully complying with the datasheet specifications.

Supplier Qualification plan schedule and/or results, where applicable:
N/A

EVERLIGHT Electronics Co., Ltd.
Attn: No.6-8, Zhonghua Road, Shulin Dist., New Taipei City,23860, Taiwan
PHONE: +886 2 2685 6688
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Forecasted key milestones	Date
Date, if required, when qualification samples are available	--
Date, if required, when final qualification data are available	--
Proposed First Ship Date for change	--
Last buy date	31.03.2027
Execution date	31.03.2027

Customer acknowledgement of receipt within 30 days of delivery of the PCN:

Customer: **Name/Date:** **Title:**	☐ **Approval for shipments before effective date** **E-mail/Address:** **Phone/Fax:**

Customer Comments:

EVERLIGHT acknowledgement of receipt:
RECORD BY: **DATE:**

The document of individual PCN information will be retained for a minimum of 5 years.

新晶片導入比較報告
New Chip Introduction –Comparison Report

2026/9/7

www.everlight.com

EVERLIGHT

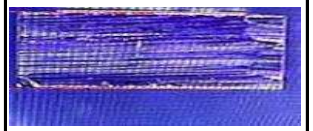
Purpose of Change/說明

為維持供應穩定與交貨品質，億光將導入新的晶片來源，因此涉及物料變更，故發布此PCN通知

to maintain supply stability and delivery quality, Everlight will introduce qualified chip source.

As this constitutes a material/component change, a PCN (Product Change Notice) is hereby issued

晶片外觀对比Comparison of the appearance of the chip

項目	長 L	寬 W	高 H
新晶片 new			
舊晶片 original			

規格	new 新晶片(單位mm)			original 舊晶片(單位mm)		
	L 長	W 寬	H 厚	L 長	W 寬	H 厚
	1.2±0.03	0.45±0.03	0.18±0.025	1.2±0.02	0.437±0.02	0.178±0.038
1	1.220	0.455	0.185	1.220	0.437	0.178
2	1.230	0.458	0.186	1.224	0.438	0.180
3	1.220	0.457	0.188	1.225	0.438	0.180
MIN	1.220	0.455	0.185	1.220	0.437	0.178
AVG	1.223	0.457	0.186	1.223	0.438	0.179
MAX	1.230	0.458	0.188	1.225	0.438	0.180

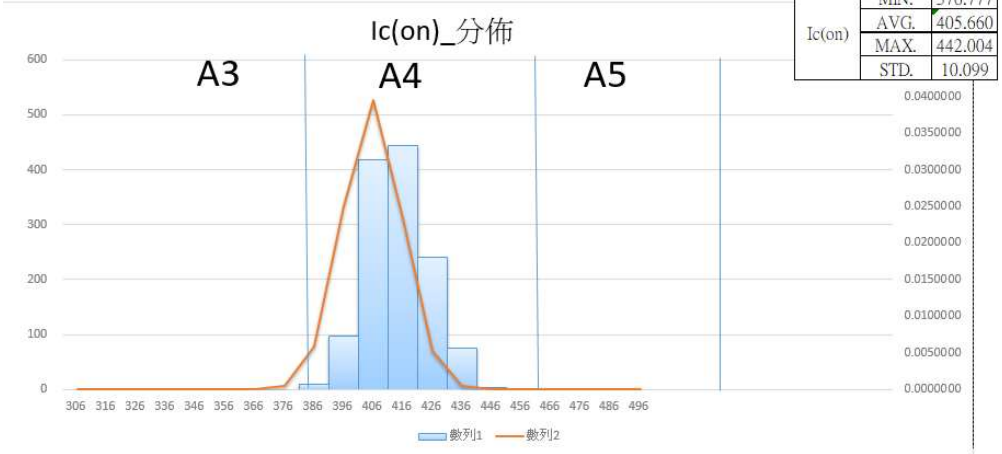
註：尺寸符合規格，成品外觀無影響
Note: size conforms to specifications, no difference in finished product

產出分布**output distribution** Ic(on)值

新晶片產出資料
New chip production data.

投入量 (pcs)	產出分佈統計							
	A1	A2	A3	A4	A5	A6	A7	A8
	129~226	195~306	262~380	330~461	398~544	468~625	536~703	604~785
1290	0	0	2	589	699	0	0	0
	0.00%	0.00%	0.16%	45.66%	54.19%	0.00%	0.00%	0.00%
總佔比	100.00%							

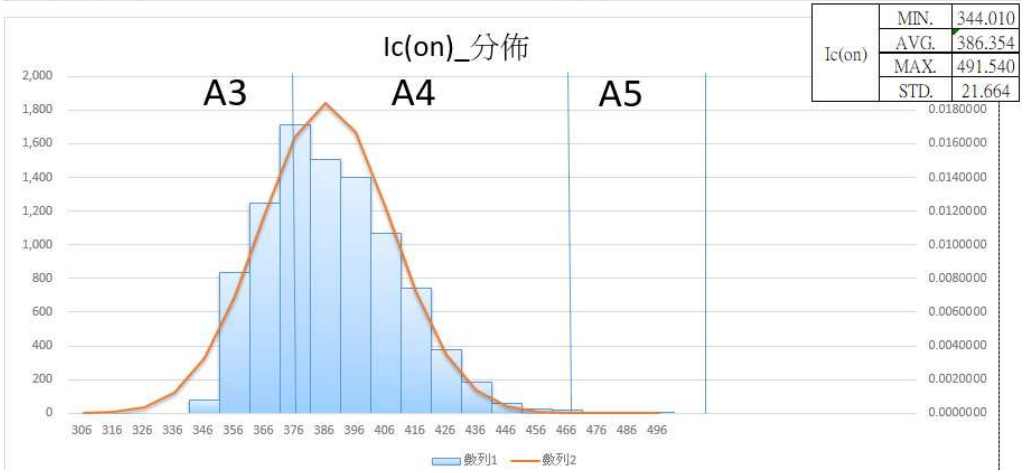
Ic(on)		
	MIN.	376.777
	AVG.	405.660
	MAX.	442.004
	STD.	10.099



舊晶片產出資料
Original chip production data.

投入量 (pcs)	產出分佈統計							
	A1	A2	A3	A4	A5	A6	A7	A8
	129~226	195~306	262~380	330~461	398~544	468~625	536~703	604~785
3933	0	0	1228	2256	449	0	0	0
	0.00%	0.00%	31.22%	57.36%	11.42%	0.00%	0.00%	0.00%
總佔比	100.00%							

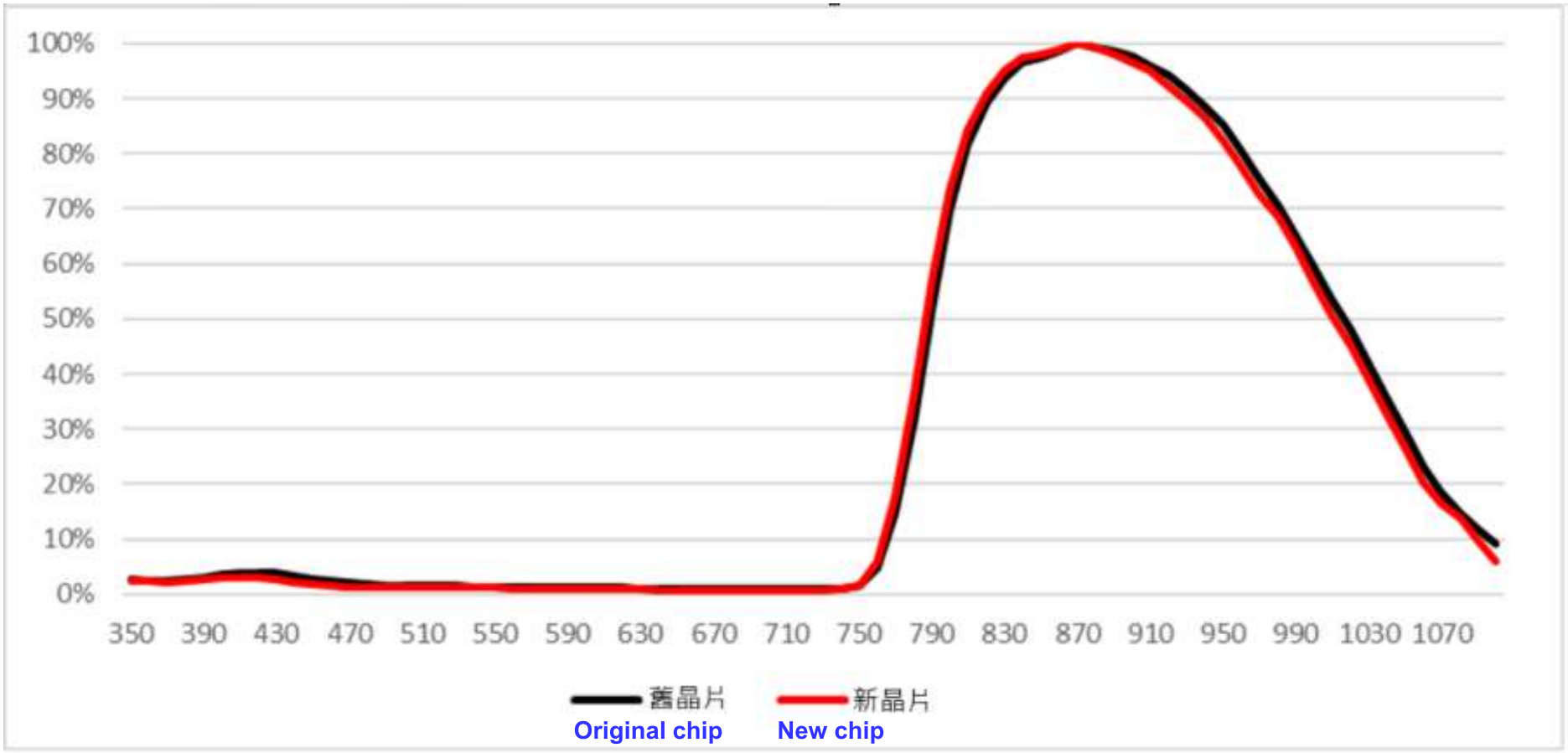
Ic(on)		
	MIN.	344.010
	AVG.	386.354
	MAX.	491.540
	STD.	21.664



註：新舊晶片產出對比, 皆在OK BIN等級範圍內, AT產出良率100%符合規格

Note: Comparison of production output for new and original chips.
Both the yield rate in production is 100% and align with the datasheet specifications.

➢ 晶片特性曲綫—頻譜對比=== Characteristic curve of the chip — Frequency spectrum comparison.



註：頻譜曲線符合規格，無異常

Note: The spectral curve meets the specification and shows no anomalies.

EVERLIGHT

RELIABILITY TEST REPORT

PRODUCT： PT2559B/L2/H2

CUSTOMER： 鄧欽鈐

TEST NO： 准-26-05-PT2CP-0208-SZ

TEST DATE： 2026/5/27-2026/7/10

TESTER： 楊曉麗

EVERLIGHT ELECTRO EVERLIGHT ELECTRONICS(CHINA) CO., LTD.
NO.2135,ZHONG SHAN NO.2135,ZHONG SHAN NORTH ROADSONGLING
TOWN,WUJIANG CITY TOWN,WUJIANG CITY,JIANG SU PRC,CHINA.
TEL:0512-63409123-251 TEL:0512-63409123-2511

MEASURING ENVIRONMENT： 23.7℃ , 50.6%RH

PRE	(Wave Solder) 260℃/10sec/3times							
NO.	TEST ITEM	CONDITION	DEVICES TESTED	DEVICE HOURS/CYCLE	Ee=1mW/cm2 VCE=5V Ic(on) (mA)-1	Ee=1mW/cm2 VCE=5V Ic(on) (mA)-2	Ee=0mW/cm2 VCE=20V Iceo (uA)	FAILURES
1	Resistance to Solder Heat(RSH)	(Wave Solder)260℃/ 10sec/3times	22	3times	-0.58%	-0.53%	0.0001	0
2	Solderability	(Dip)245℃/ 10sec/1times	22	1times	Over 95% area			0
3	Thermal Shock (TS)	-10℃～100℃ /Dwell time 5min /transfer time＜ 15sec/300cycle	22	300cycle	-0.68%	-0.48%	0.0001	0
4	Temperature Cycle (TC)	-40℃～100℃ /Dwell time 15min /transfer time 5min /300cycle	22	300cycle	0.52%	0.78%	0.0001	0
5	High Temp/Humid Life(HTHB)	85℃/85% RH/1000hr VCE=5V	22	168hrs	0.07%	-0.08%	0.0001	0
				500hrs	0.15%	-0.59%	0.0001	0
				1000hrs	-5.24%	-6.24%	0.0001	0
6	Low Temperature Life(LTOL)	-40℃/1000hr VCE=5V	22	168hrs	-0.51%	-0.57%	0.0001	0
				500hrs	0.57%	0.39%	0.0001	0
				1000hrs	-5.98%	-6.83%	0.0001	0
7	High Temperature Life(HTOL)	100℃/1000hr VCE=5V	22	168hrs	-0.46%	-0.35%	0.0001	0
				500hrs	0.60%	0.56%	0.0001	0
				1000hrs	-5.85%	-6.46%	0.0001	0
8	Room Temperature Life(RTOL)	25℃/1000hr VCE=5V	22	168hrs	-0.48%	-0.29%	0.0001	0
				500hrs	0.37%	0.39%	0.0001	0
				1000hrs	-5.81%	-6.70%	0.0001	0
9	ORT實驗條件 Temperature Cycle (TC)	(Wave Solder)260℃±5℃ /10sec/3times -40℃～100℃ /Dwell time 15min /transfer time 5min Vce=5V	11	14cycle	-0.19%	-0.09%	0.0001	0
10	ORT實驗條件 High Temperature Life(HTOL)	(Wave Solder)260℃±5℃ /10sec/3times 85℃ Vce=5V	11	14hrs	-0.90%	-0.68%	0.0001	0
11	ORT實驗條件 Low Temperature Life(LTOL)	(Wave Solder)260℃±5℃ /10sec/3times -40℃ Vce=5V	11	14hrs	-0.06%	-0.33%	0.0001	0

*Ic(on): ≤20%

*Iceo:≤0.1uA

ORT實驗判定： Ic(on): ＜14% Iceo: ＜0.09uA

JUDGEMENT： OK

CHECKER：魏衛娥 TESTER： 楊曉麗

RELIABILITY TEST REPORT

TEST ITEM: Resistance to Solder Heat(RSH)
CONDITION: (Wave Solder)260℃/10sec/3times
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/5/27

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

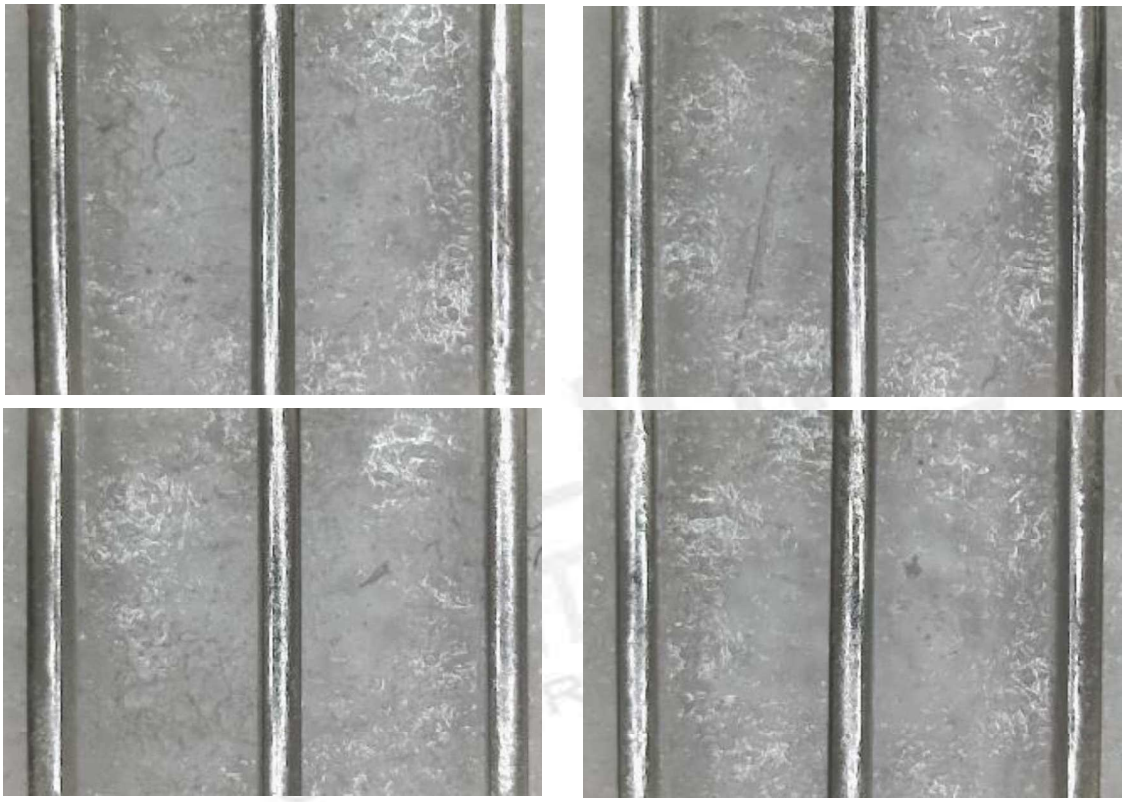
TEST ITEM	Ee=1mW/cm2 VCE=5V				Ee=1mW/cm2 VCE=5V				Ee=0mW/cm2 VCE=20V		
DEVICE HOURS	Ic(on) (mA)-1				Ic(on) (mA)-2				Iceo (uA)		
NO.	RE前	RE后	△	△%	RE前	RE后	△	△%	NO.	RE前	RE后
1	421.79	418.96	-2.83	-0.67%	435.66	433.32	-2.34	-0.54%	1	0.0001	0.0001
2	417.68	416.24	-1.44	-0.34%	435.99	432.90	-3.09	-0.71%	2	0.0001	0.0001
3	407.52	404.69	-2.83	-0.69%	427.65	425.65	-2.00	-0.47%	3	0.0001	0.0001
4	420.31	418.33	-1.99	-0.47%	440.29	439.54	-0.75	-0.17%	4	0.0001	0.0001
5	414.80	411.35	-3.45	-0.83%	434.65	430.60	-4.05	-0.93%	5	0.0001	0.0001
6	417.10	414.75	-2.35	-0.56%	442.75	440.84	-1.91	-0.43%	6	0.0001	0.0001
7	421.21	417.80	-3.41	-0.81%	437.20	435.59	-1.61	-0.37%	7	0.0001	0.0001
8	411.82	408.35	-3.46	-0.84%	428.75	424.91	-3.84	-0.90%	8	0.0001	0.0001
9	408.97	408.37	-0.60	-0.15%	433.61	431.80	-1.81	-0.42%	9	0.0001	0.0001
10	417.62	412.86	-4.76	-1.14%	431.75	430.69	-1.06	-0.25%	10	0.0001	0.0001
11	416.78	415.67	-1.10	-0.26%	436.78	434.66	-2.12	-0.49%	11	0.0001	0.0001
12	425.92	424.35	-1.56	-0.37%	437.08	437.62	0.54	0.12%	12	0.0001	0.0001
13	422.09	420.72	-1.37	-0.32%	442.56	440.14	-2.42	-0.55%	13	0.0001	0.0001
14	423.63	420.71	-2.91	-0.69%	436.62	433.93	-2.69	-0.62%	14	0.0001	0.0001
15	416.64	413.95	-2.69	-0.64%	438.15	436.22	-1.93	-0.44%	15	0.0001	0.0001
16	412.57	410.15	-2.42	-0.59%	437.95	437.13	-0.82	-0.19%	16	0.0001	0.0001
17	414.09	412.20	-1.89	-0.46%	433.55	429.46	-4.09	-0.94%	17	0.0001	0.0001
18	422.67	419.59	-3.07	-0.73%	440.39	438.96	-1.43	-0.32%	18	0.0001	0.0001
19	416.07	414.46	-1.62	-0.39%	426.22	423.38	-2.84	-0.67%	19	0.0001	0.0001
20	420.92	418.54	-2.38	-0.57%	436.14	434.23	-1.91	-0.44%	20	0.0001	0.0001
21	422.63	420.44	-2.19	-0.52%	438.70	432.67	-6.03	-1.37%	21	0.0001	0.0001
22	408.58	405.28	-3.30	-0.81%	422.82	420.66	-2.16	-0.51%	22	0.0001	0.0001
max	425.92	424.35	-0.60	-0.15%	442.75	440.84	0.54	0.12%	max	0.0001	0.0001
min	407.52	404.69	-4.76	-1.14%	422.82	420.66	-6.03	-1.37%	min	0.0001	0.0001
AVERAGE	417.34	414.90	-2.44	-0.58%	435.24	432.95	-2.29	-0.53%	AVERAGE	0.0001	0.0001

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST DATA ONLY FOR THIS BATCH

RELIABILITY TEST REPORT

TEST ITEM:	Solderability	PRODUCT:	PT2559B/L2/H2
CONDITION:	(Dip)245℃/10sec/1times	CUSTOMER:	鄧欽鈐
TESTER:	楊曉麗	Q'TY:	22
TEST DATE:	2026/5/27-2026/5/27	TEST NO:	准-26-05-PT2CP-0208-SZ



EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Thermal Shock(TS)
CONDITION: -10℃~100℃,300 Cycle
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/5/31

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V				Ee=1mW/cm2 VCE=5V				Ee=0mW/cm2 VCE=20V		
DEVICE HOURS	Ic(on) (mA)-1				Ic(on) (mA)-2				Iceo (uA)		
NO.	0Cycle	300Cycle	△	△%	0Cycle	300Cycle	△	△%	NO.	0Cycle	300Cycle
1	415.96	407.32	-8.64	-2.08%	429.95	421.14	-8.81	-2.05%	1	0.0001	0.0001
2	414.50	408.53	-5.96	-1.44%	422.76	420.38	-2.38	-0.56%	2	0.0001	0.0001
3	416.81	415.36	-1.45	-0.35%	432.81	428.58	-4.23	-0.98%	3	0.0001	0.0001
4	420.35	416.97	-3.38	-0.81%	437.08	436.55	-0.53	-0.12%	4	0.0001	0.0001
5	418.29	416.03	-2.25	-0.54%	440.82	439.80	-1.02	-0.23%	5	0.0001	0.0001
6	413.85	416.53	2.67	0.65%	431.28	431.95	0.67	0.16%	6	0.0001	0.0001
7	415.51	416.17	0.66	0.16%	430.06	432.35	2.29	0.53%	7	0.0001	0.0001
8	402.10	400.44	-1.66	-0.41%	417.95	418.28	0.33	0.08%	8	0.0001	0.0001
9	416.25	410.88	-5.37	-1.29%	433.94	428.46	-5.48	-1.26%	9	0.0001	0.0001
10	421.27	422.49	1.22	0.29%	436.42	436.52	0.10	0.02%	10	0.0001	0.0001
11	413.62	410.14	-3.47	-0.84%	428.87	428.03	-0.84	-0.20%	11	0.0001	0.0001
12	415.79	415.99	0.20	0.05%	428.56	432.43	3.87	0.90%	12	0.0001	0.0001
13	420.95	418.23	-2.72	-0.65%	439.43	435.70	-3.73	-0.85%	13	0.0001	0.0001
14	417.30	415.60	-1.70	-0.41%	430.43	428.32	-2.11	-0.49%	14	0.0001	0.0001
15	418.62	418.51	-0.11	-0.03%	438.46	435.22	-3.24	-0.74%	15	0.0001	0.0001
16	416.36	410.28	-6.07	-1.46%	439.75	434.15	-5.60	-1.27%	16	0.0001	0.0001
17	420.73	417.06	-3.67	-0.87%	427.85	424.83	-3.02	-0.71%	17	0.0001	0.0001
18	419.82	415.16	-4.65	-1.11%	431.46	431.98	0.52	0.12%	18	0.0001	0.0001
19	419.12	414.44	-4.69	-1.12%	436.68	437.28	0.60	0.14%	19	0.0001	0.0001
20	419.05	416.62	-2.42	-0.58%	425.32	423.34	-1.98	-0.47%	20	0.0001	0.0001
21	410.43	409.14	-1.28	-0.31%	428.57	426.38	-2.19	-0.51%	21	0.0001	0.0001
22	420.97	413.06	-7.91	-1.88%	436.81	428.03	-8.78	-2.01%	22	0.0001	0.0001
max	421.27	422.49	2.67	0.65%	440.82	439.80	3.87	0.90%	max	0.0001	0.0001
min	402.10	400.44	-8.64	-2.08%	417.95	418.28	-8.81	-2.05%	min	0.0001	0.0001
AVERAGE	416.71	413.86	-2.85	-0.68%	432.06	429.99	-2.07	-0.48%	AVERAGE	0.0001	0.0001

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Temperature Cycle(TC)
CONDITION: -40℃~100℃,300 Cycle
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/6/5

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V				Ee=1mW/cm2 VCE=5V				Ee=0mW/cm2 VCE=20V		
DEVICE HOURS	Ic(on) (mA)-1				Ic(on) (mA)-2				Iceo (uA)		
NO.	0Cycle	300Cycle	△	△%	0Cycle	300Cycle	△	△%	NO.	0Cycle	300Cycle
1	414.64	428.02	13.38	3.23%	433.85	444.34	10.49	2.42%	1	0.0001	0.0001
2	424.78	425.13	0.35	0.08%	440.53	442.43	1.90	0.43%	2	0.0001	0.0001
3	418.15	412.11	-6.04	-1.44%	437.23	428.90	-8.33	-1.91%	3	0.0001	0.0001
4	401.69	415.32	13.63	3.39%	418.41	430.12	11.71	2.80%	4	0.0001	0.0001
5	412.77	436.73	23.96	5.80%	436.20	451.72	15.52	3.56%	5	0.0001	0.0001
6	416.69	417.56	0.87	0.21%	433.12	441.13	8.01	1.85%	6	0.0001	0.0001
7	414.25	422.84	8.60	2.08%	437.93	431.77	-6.16	-1.41%	7	0.0001	0.0001
8	414.79	426.60	11.82	2.85%	438.74	449.90	11.16	2.54%	8	0.0001	0.0001
9	420.54	409.34	-11.20	-2.66%	437.33	441.32	3.99	0.91%	9	0.0001	0.0001
10	419.48	414.72	-4.76	-1.13%	441.28	437.48	-3.80	-0.86%	10	0.0001	0.0001
11	418.97	417.81	-1.16	-0.28%	434.60	432.42	-2.18	-0.50%	11	0.0001	0.0001
12	421.68	416.27	-5.41	-1.28%	437.28	435.98	-1.30	-0.30%	12	0.0001	0.0001
13	414.68	421.40	6.72	1.62%	428.54	443.22	14.68	3.43%	13	0.0001	0.0001
14	415.25	416.94	1.70	0.41%	434.26	432.72	-1.54	-0.35%	14	0.0001	0.0001
15	417.97	410.65	-7.32	-1.75%	440.42	424.67	-15.75	-3.58%	15	0.0001	0.0001
16	419.65	416.95	-2.70	-0.64%	431.42	449.26	17.84	4.14%	16	0.0001	0.0001
17	414.51	423.29	8.77	2.12%	436.04	439.62	3.58	0.82%	17	0.0001	0.0001
18	421.44	418.58	-2.86	-0.68%	437.17	442.23	5.06	1.16%	18	0.0001	0.0001
19	414.45	418.58	4.13	1.00%	434.39	439.35	4.96	1.14%	19	0.0001	0.0001
20	422.89	424.21	1.32	0.31%	442.34	445.17	2.83	0.64%	20	0.0001	0.0001
21	419.86	416.74	-3.11	-0.74%	438.56	430.26	-8.30	-1.89%	21	0.0001	0.0001
22	428.77	424.01	-4.76	-1.11%	429.93	438.74	8.81	2.05%	22	0.0001	0.0001
max	428.77	420.85	23.96	5.80%	442.34	435.33	17.84	4.14%	max	0.0001	0.0001
min	401.69	409.34	-11.20	-2.66%	418.41	424.67	-15.75	-3.58%	min	0.0001	0.0001
AVERAGE	417.63	419.72	2.09	0.52%	435.44	438.76	3.33	0.78%	AVERAGE	0.0001	0.0001

RELIABILITY TEST REPORT

TEST ITEM: High Temp/Humid Life(HTHB
CONDITION: 85℃/85%RH V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-1									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	423.06	422.10	-0.96	-0.23%	413.63	-9.42	-2.23%	398.09	-24.97	-5.90%
2	422.11	419.70	-2.41	-0.57%	418.97	-3.14	-0.74%	400.33	-21.77	-5.16%
3	410.88	408.52	-2.36	-0.57%	430.29	19.41	4.73%	387.40	-23.48	-5.71%
4	411.54	411.20	-0.34	-0.08%	410.23	-1.31	-0.32%	391.83	-19.71	-4.79%
5	432.97	432.07	-0.90	-0.21%	417.91	-15.06	-3.48%	408.39	-24.57	-5.68%
6	414.34	413.30	-1.05	-0.25%	420.90	6.56	1.58%	392.86	-21.48	-5.18%
7	419.39	419.15	-0.24	-0.06%	426.78	7.39	1.76%	399.23	-20.16	-4.81%
8	420.09	421.71	1.62	0.39%	410.12	-9.97	-2.37%	399.90	-20.19	-4.81%
9	403.69	405.36	1.67	0.41%	401.57	-2.11	-0.52%	386.81	-16.88	-4.18%
10	411.98	412.39	0.41	0.10%	393.03	-18.95	-4.60%	391.65	-20.33	-4.93%
11	414.19	412.84	-1.36	-0.33%	420.58	6.39	1.54%	389.94	-24.25	-5.85%
12	410.76	412.27	1.51	0.37%	413.65	2.88	0.70%	387.24	-23.52	-5.73%
13	417.16	418.57	1.40	0.34%	415.71	-1.45	-0.35%	395.08	-22.09	-5.29%
14	411.87	412.33	0.46	0.11%	409.90	-1.96	-0.48%	388.45	-23.42	-5.69%
15	405.95	407.29	1.34	0.33%	406.32	0.37	0.09%	387.26	-18.69	-4.60%
16	415.72	413.33	-2.39	-0.57%	423.69	7.97	1.92%	391.18	-24.54	-5.90%
17	419.31	418.56	-0.75	-0.18%	419.68	0.38	0.09%	393.56	-25.75	-6.14%
18	415.48	416.21	0.73	0.18%	425.88	10.40	2.50%	394.66	-20.82	-5.01%
19	413.95	413.65	-0.30	-0.07%	417.96	4.01	0.97%	390.27	-23.68	-5.72%
20	415.96	420.32	4.36	1.05%	420.38	4.42	1.06%	397.45	-18.51	-4.45%
21	409.35	414.34	4.99	1.22%	412.86	3.51	0.86%	390.57	-18.78	-4.59%
22	419.08	419.66	0.58	0.14%	421.41	2.33	0.56%	397.43	-21.65	-5.17%
max	432.97	432.07	4.99	1.22%	430.29	19.41	4.73%	408.39	-16.88	-4.18%
min	403.69	405.36	-2.41	-0.57%	393.03	-18.95	-4.60%	386.81	-25.75	-6.14%
AVERAGE	415.40	415.67	0.27	0.07%	415.97	0.57	0.15%	393.62	-21.78	-5.24%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: High Temp/Humid Life(HTHB
CONDITION: 85℃/85%RH V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-2									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	438.97	436.12	-2.85	-0.65%	433.83	-5.14	-1.17%	408.67	-30.30	-6.90%
2	440.04	438.55	-1.49	-0.34%	438.44	-1.60	-0.36%	413.56	-26.48	-6.02%
3	427.00	425.80	-1.20	-0.28%	437.22	10.22	2.39%	400.49	-26.51	-6.21%
4	427.21	426.10	-1.11	-0.26%	433.04	5.83	1.36%	402.12	-25.09	-5.87%
5	447.46	447.67	0.21	0.05%	431.54	-15.92	-3.56%	421.50	-25.96	-5.80%
6	435.91	436.44	0.53	0.12%	434.82	-1.09	-0.25%	411.94	-23.97	-5.50%
7	427.42	427.14	-0.28	-0.07%	436.19	8.77	2.05%	403.33	-24.09	-5.64%
8	444.04	444.34	0.30	0.07%	424.99	-19.05	-4.29%	419.71	-24.33	-5.48%
9	436.24	436.91	0.67	0.15%	428.87	-7.37	-1.69%	411.17	-25.07	-5.75%
10	431.73	431.27	-0.46	-0.11%	422.15	-9.58	-2.22%	405.09	-26.64	-6.17%
11	431.15	429.07	-2.08	-0.48%	439.34	8.19	1.90%	401.60	-29.55	-6.85%
12	430.73	431.32	0.59	0.14%	430.53	-0.20	-0.05%	403.51	-27.22	-6.32%
13	439.65	439.40	-0.25	-0.06%	431.01	-8.64	-1.97%	409.52	-30.13	-6.85%
14	428.72	428.07	-0.65	-0.15%	426.96	-1.76	-0.41%	400.13	-28.59	-6.67%
15	419.42	420.78	1.36	0.32%	428.53	9.11	2.17%	395.75	-23.67	-5.64%
16	446.20	445.84	-0.36	-0.08%	438.70	-7.50	-1.68%	417.16	-29.04	-6.51%
17	436.75	435.86	-0.89	-0.20%	427.70	-9.05	-2.07%	405.95	-30.80	-7.05%
18	437.91	437.95	0.04	0.01%	434.96	-2.95	-0.67%	410.85	-27.06	-6.18%
19	437.17	435.42	-1.75	-0.40%	431.69	-5.48	-1.25%	406.31	-30.86	-7.06%
20	441.70	441.36	-0.34	-0.08%	432.12	-9.58	-2.17%	411.80	-29.90	-6.77%
21	425.25	426.69	1.44	0.34%	429.03	3.78	0.89%	399.98	-25.27	-5.94%
22	436.99	437.38	0.39	0.09%	437.56	0.57	0.13%	410.00	-26.99	-6.18%
max	447.46	447.67	1.44	0.34%	439.34	10.22	2.39%	421.50	-23.67	-5.48%
min	419.42	420.78	-2.85	-0.65%	422.15	-19.05	-4.29%	395.75	-30.86	-7.06%
AVERAGE	434.89	434.52	-0.37	-0.08%	432.24	-2.66	-0.59%	407.73	-27.16	-6.24%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: High Temp/Humid Life(HTHB)
CONDITION: 85℃/85%RH V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=0mW/cm2 VCE=20V			
DEVICE HOURS	Iceo (uA)			
NO.	0Hr	168Hr	500Hr	1000Hr
1	0.0001	0.0001	0.0001	0.0001
2	0.0001	0.0001	0.0001	0.0001
3	0.0001	0.0001	0.0001	0.0001
4	0.0001	0.0001	0.0001	0.0001
5	0.0001	0.0001	0.0001	0.0001
6	0.0001	0.0001	0.0001	0.0001
7	0.0001	0.0001	0.0001	0.0001
8	0.0001	0.0001	0.0001	0.0001
9	0.0001	0.0001	0.0001	0.0001
10	0.0001	0.0001	0.0001	0.0001
11	0.0001	0.0001	0.0001	0.0001
12	0.0001	0.0001	0.0001	0.0001
13	0.0001	0.0001	0.0001	0.0001
14	0.0001	0.0001	0.0001	0.0001
15	0.0001	0.0001	0.0001	0.0001
16	0.0001	0.0001	0.0001	0.0001
17	0.0001	0.0001	0.0001	0.0001
18	0.0001	0.0001	0.0001	0.0001
19	0.0001	0.0001	0.0001	0.0001
20	0.0001	0.0001	0.0001	0.0001
21	0.0001	0.0001	0.0001	0.0001
22	0.0001	0.0001	0.0001	0.0001
max	0.0001	0.0001	0.0001	0.0001
min	0.0001	0.0001	0.0001	0.0001
AVERAGE	0.0001	0.0001	0.0001	0.0001

EVERLIGHT ELECTRONICS (CHINA) CO., LTD. ONLY FOR THIS REPORT

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Low Temperature Life(LTOL)
CONDITION: -40℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-1									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	412.63	408.33	-4.30	-1.04%	414.91	2.28	0.55%	387.21	-25.42	-6.16%
2	419.49	417.51	-1.98	-0.47%	421.82	2.32	0.55%	395.98	-23.51	-5.60%
3	428.31	424.39	-3.92	-0.92%	429.96	1.65	0.38%	400.25	-28.06	-6.55%
4	416.12	412.77	-3.35	-0.81%	418.50	2.38	0.57%	392.08	-24.04	-5.78%
5	414.27	413.67	-0.59	-0.14%	418.73	4.47	1.08%	393.09	-21.18	-5.11%
6	420.91	417.25	-3.66	-0.87%	420.39	-0.52	-0.12%	395.51	-25.40	-6.03%
7	422.39	416.24	-6.15	-1.46%	426.63	4.25	1.01%	398.08	-24.31	-5.76%
8	408.28	402.27	-6.01	-1.47%	410.52	2.25	0.55%	385.94	-22.34	-5.47%
9	403.89	402.54	-1.35	-0.33%	405.52	1.63	0.40%	378.52	-25.37	-6.28%
10	394.98	392.24	-2.75	-0.70%	394.22	-0.76	-0.19%	372.53	-22.46	-5.69%
11	420.21	416.69	-3.52	-0.84%	422.96	2.75	0.65%	397.01	-23.20	-5.52%
12	410.45	409.23	-1.22	-0.30%	414.65	4.19	1.02%	388.05	-22.40	-5.46%
13	416.32	414.16	-2.16	-0.52%	417.92	1.60	0.38%	389.18	-27.14	-6.52%
14	408.17	405.84	-2.34	-0.57%	411.24	3.07	0.75%	384.30	-23.87	-5.85%
15	414.29	414.72	0.43	0.10%	415.42	1.13	0.27%	390.65	-23.64	-5.71%
16	421.71	420.70	-1.01	-0.24%	424.83	3.12	0.74%	397.17	-24.55	-5.82%
17	419.25	416.21	-3.04	-0.72%	420.03	0.78	0.19%	389.61	-29.64	-7.07%
18	421.44	421.83	0.39	0.09%	426.94	5.50	1.30%	398.44	-23.00	-5.46%
19	414.72	421.94	7.22	1.74%	416.70	1.98	0.48%	389.17	-25.55	-6.16%
20	421.71	419.88	-1.82	-0.43%	424.86	3.15	0.75%	395.82	-25.89	-6.14%
21	412.46	409.13	-3.33	-0.81%	414.22	1.76	0.43%	384.18	-28.28	-6.86%
22	421.49	419.60	-1.88	-0.45%	424.59	3.11	0.74%	393.52	-27.96	-6.63%
max	428.31	424.39	7.22	1.74%	429.96	5.50	1.30%	400.25	-21.18	-5.11%
min	394.98	392.24	-6.15	-1.47%	394.22	-0.76	-0.19%	372.53	-29.64	-7.07%
AVERAGE	415.61	413.51	-2.11	-0.51%	417.98	2.37	0.57%	390.74	-24.87	-5.98%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Low Temperature Life(LTOL)
CONDITION: -40℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-2									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	432.29	428.51	-3.78	-0.87%	434.48	2.19	0.51%	402.29	-30.00	-6.94%
2	439.59	435.78	-3.81	-0.87%	440.68	1.09	0.25%	407.78	-31.81	-7.24%
3	435.04	433.06	-1.98	-0.46%	437.15	2.11	0.49%	406.37	-28.67	-6.59%
4	428.35	429.68	1.33	0.31%	436.47	8.12	1.90%	405.39	-22.96	-5.36%
5	431.04	430.17	-0.87	-0.20%	434.98	3.94	0.91%	403.71	-27.33	-6.34%
6	437.40	432.15	-5.25	-1.20%	435.77	-1.63	-0.37%	406.64	-30.76	-7.03%
7	435.96	427.44	-8.52	-1.95%	439.53	3.57	0.82%	408.83	-27.13	-6.22%
8	420.54	421.18	0.64	0.15%	427.89	7.35	1.75%	397.34	-23.20	-5.52%
9	424.55	420.23	-4.32	-1.02%	424.99	0.44	0.10%	395.94	-28.61	-6.74%
10	418.74	416.29	-2.45	-0.59%	421.27	2.53	0.60%	392.43	-26.31	-6.28%
11	439.58	436.98	-2.60	-0.59%	440.92	1.34	0.30%	411.10	-28.48	-6.48%
12	429.93	423.90	-6.03	-1.40%	431.32	1.39	0.32%	400.73	-29.20	-6.79%
13	429.82	423.43	-6.39	-1.49%	431.76	1.94	0.45%	397.66	-32.16	-7.48%
14	427.56	425.62	-1.94	-0.45%	428.06	0.50	0.12%	398.46	-29.10	-6.81%
15	429.33	428.02	-1.31	-0.31%	429.51	0.18	0.04%	399.83	-29.50	-6.87%
16	436.75	436.46	-0.29	-0.07%	439.27	2.52	0.58%	405.81	-30.94	-7.08%
17	427.03	424.51	-2.52	-0.59%	426.82	-0.21	-0.05%	393.99	-33.04	-7.74%
18	434.94	430.65	-4.29	-0.99%	434.36	-0.58	-0.13%	401.48	-33.46	-7.69%
19	433.03	438.86	5.83	1.35%	433.12	0.09	0.02%	401.36	-31.67	-7.31%
20	432.16	429.13	-3.03	-0.70%	432.45	0.29	0.07%	400.90	-31.26	-7.23%
21	426.70	426.72	0.02	0.00%	428.19	1.49	0.35%	398.78	-27.92	-6.54%
22	438.64	436.14	-2.50	-0.57%	436.53	-2.11	-0.48%	403.99	-34.65	-7.90%
max	439.59	438.86	5.83	1.35%	440.92	8.12	1.90%	411.10	-22.96	-5.36%
min	418.74	416.29	-8.52	-1.95%	421.27	-2.11	-0.48%	392.43	-34.65	-7.90%
AVERAGE	431.32	428.86	-2.46	-0.57%	432.98	1.66	0.39%	401.86	-29.46	-6.83%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Low Temperature Life(LTOL)
CONDITION: -40℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=0mW/cm2 VCE=20V			
DEVICE HOURS	Iceo (uA)			
NO.	0Hr	168Hr	500Hr	1000Hr
1	0.0001	0.0001	0.0001	0.0001
2	0.0001	0.0001	0.0001	0.0001
3	0.0001	0.0001	0.0001	0.0001
4	0.0001	0.0001	0.0001	0.0001
5	0.0001	0.0001	0.0001	0.0001
6	0.0001	0.0001	0.0001	0.0001
7	0.0001	0.0001	0.0001	0.0001
8	0.0001	0.0001	0.0001	0.0001
9	0.0001	0.0001	0.0001	0.0001
10	0.0001	0.0001	0.0001	0.0001
11	0.0001	0.0001	0.0001	0.0001
12	0.0001	0.0001	0.0001	0.0001
13	0.0001	0.0001	0.0001	0.0001
14	0.0001	0.0001	0.0001	0.0001
15	0.0001	0.0001	0.0001	0.0001
16	0.0001	0.0001	0.0001	0.0001
17	0.0001	0.0001	0.0001	0.0001
18	0.0001	0.0001	0.0001	0.0001
19	0.0001	0.0001	0.0001	0.0001
20	0.0001	0.0001	0.0001	0.0001
21	0.0001	0.0001	0.0001	0.0001
22	0.0001	0.0001	0.0001	0.0001
max	0.0001	0.0001	0.0001	0.0001
min	0.0001	0.0001	0.0001	0.0001
AVERAGE	0.0001	0.0001	0.0001	0.0001

EVERLIGHT RELIABILITY REPORT ONLY FOR THIS PURPOSE

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: High Temperature Life(HTOL)
CONDITION: 100℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-1									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	419.86	414.65	-5.21	-1.24%	417.92	-1.94	-0.46%	389.00	-30.85	-7.35%
2	423.28	420.72	-2.56	-0.61%	424.74	1.46	0.34%	395.49	-27.80	-6.57%
3	415.28	412.38	-2.90	-0.70%	415.30	0.02	0.01%	388.66	-26.62	-6.41%
4	420.94	420.58	-0.37	-0.09%	423.82	2.88	0.68%	396.12	-24.82	-5.90%
5	415.20	412.17	-3.02	-0.73%	417.69	2.49	0.60%	393.08	-22.12	-5.33%
6	417.43	419.02	1.59	0.38%	423.64	6.21	1.49%	396.37	-21.06	-5.04%
7	416.97	415.04	-1.93	-0.46%	418.16	1.19	0.28%	392.99	-23.98	-5.75%
8	419.36	416.79	-2.58	-0.61%	421.17	1.80	0.43%	395.70	-23.66	-5.64%
9	409.21	408.21	-0.99	-0.24%	413.14	3.94	0.96%	389.51	-19.69	-4.81%
10	423.74	423.92	0.18	0.04%	428.44	4.70	1.11%	400.31	-23.43	-5.53%
11	420.09	418.05	-2.05	-0.49%	422.24	2.14	0.51%	398.75	-21.34	-5.08%
12	413.71	410.00	-3.71	-0.90%	415.10	1.40	0.34%	389.72	-23.99	-5.80%
13	419.69	417.43	-2.27	-0.54%	422.03	2.34	0.56%	394.92	-24.78	-5.90%
14	422.29	421.00	-1.29	-0.31%	426.29	4.01	0.95%	398.96	-23.32	-5.52%
15	416.58	416.35	-0.23	-0.06%	421.27	4.68	1.12%	394.78	-21.81	-5.23%
16	407.24	409.24	2.00	0.49%	414.71	7.48	1.84%	385.31	-21.92	-5.38%
17	415.46	412.51	-2.95	-0.71%	418.30	2.84	0.68%	390.37	-25.09	-6.04%
18	421.63	419.93	-1.70	-0.40%	425.20	3.57	0.85%	395.48	-26.15	-6.20%
19	416.68	414.61	-2.07	-0.50%	417.75	1.07	0.26%	391.84	-24.84	-5.96%
20	417.31	415.51	-1.80	-0.43%	419.82	2.51	0.60%	394.48	-22.83	-5.47%
21	411.78	414.12	2.34	0.57%	418.34	6.56	1.59%	389.02	-22.77	-5.53%
22	430.57	419.17	-11.40	-2.65%	423.51	-7.07	-1.64%	394.93	-35.65	-8.28%
max	430.57	423.92	2.34	0.57%	428.44	7.48	1.84%	400.31	-19.69	-4.81%
min	407.24	408.21	-11.40	-2.65%	413.14	-7.07	-1.64%	385.31	-35.65	-8.28%
AVERAGE	417.92	415.97	-1.95	-0.46%	420.39	2.47	0.60%	393.44	-24.48	-5.85%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: High Temperature Life(HTOL)
CONDITION: 100℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-2									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	438.38	435.03	-3.35	-0.76%	438.32	-0.06	-0.01%	403.68	-34.70	-7.92%
2	433.77	431.71	-2.06	-0.47%	436.26	2.49	0.57%	403.63	-30.14	-6.95%
3	430.35	429.81	-0.54	-0.13%	431.83	1.48	0.34%	404.28	-26.07	-6.06%
4	439.84	439.17	-0.67	-0.15%	443.61	3.77	0.86%	410.82	-29.02	-6.60%
5	429.03	428.08	-0.95	-0.22%	431.21	2.18	0.51%	403.60	-25.43	-5.93%
6	432.57	432.43	-0.14	-0.03%	436.11	3.54	0.82%	405.98	-26.59	-6.15%
7	435.74	432.79	-2.95	-0.68%	435.38	-0.36	-0.08%	407.39	-28.35	-6.51%
8	433.23	431.10	-2.13	-0.49%	435.50	2.27	0.52%	405.37	-27.86	-6.43%
9	424.13	423.94	-0.19	-0.04%	429.32	5.19	1.22%	403.41	-20.72	-4.89%
10	438.47	438.97	0.50	0.11%	443.41	4.94	1.13%	414.68	-23.79	-5.43%
11	435.44	434.18	-1.26	-0.29%	438.31	2.87	0.66%	411.55	-23.89	-5.49%
12	434.64	430.84	-3.80	-0.87%	436.01	1.37	0.32%	406.41	-28.23	-6.50%
13	432.19	430.45	-1.74	-0.40%	435.14	2.95	0.68%	403.78	-28.41	-6.57%
14	441.35	439.74	-1.61	-0.36%	444.56	3.21	0.73%	411.27	-30.08	-6.82%
15	433.64	435.28	1.64	0.38%	440.00	6.36	1.47%	408.66	-24.98	-5.76%
16	421.05	421.88	0.83	0.20%	425.87	4.82	1.14%	394.31	-26.74	-6.35%
17	430.42	428.22	-2.20	-0.51%	431.45	1.03	0.24%	400.52	-29.90	-6.95%
18	435.47	432.96	-2.51	-0.58%	436.83	1.36	0.31%	405.31	-30.16	-6.93%
19	436.57	435.18	-1.39	-0.32%	440.06	3.49	0.80%	408.83	-27.74	-6.35%
20	441.09	439.60	-1.49	-0.34%	444.49	3.40	0.77%	412.86	-28.23	-6.40%
21	429.22	429.79	0.57	0.13%	432.59	3.37	0.79%	400.22	-29.00	-6.76%
22	441.79	433.20	-8.59	-1.94%	435.33	-6.46	-1.46%	405.05	-36.74	-8.32%
max	441.79	439.74	1.64	0.38%	444.56	6.36	1.47%	414.68	-20.72	-4.89%
min	421.05	421.88	-8.59	-1.94%	425.87	-6.46	-1.46%	394.31	-36.74	-8.32%
AVERAGE	434.02	432.47	-1.55	-0.35%	436.44	2.42	0.56%	405.98	-28.04	-6.46%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: High Temperature Life(HTOL)
CONDITION: 100℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=0mW/cm2 VCE=20V			
DEVICE HOURS	Iceo (uA)			
NO.	0Hr	168Hr	500Hr	1000Hr
1	0.0001	0.0001	0.0001	0.0001
2	0.0001	0.0001	0.0001	0.0001
3	0.0001	0.0001	0.0001	0.0001
4	0.0001	0.0001	0.0001	0.0001
5	0.0001	0.0001	0.0001	0.0001
6	0.0001	0.0001	0.0001	0.0001
7	0.0001	0.0001	0.0001	0.0001
8	0.0001	0.0001	0.0001	0.0001
9	0.0001	0.0001	0.0001	0.0001
10	0.0001	0.0001	0.0001	0.0001
11	0.0001	0.0001	0.0001	0.0001
12	0.0001	0.0001	0.0001	0.0001
13	0.0001	0.0001	0.0001	0.0001
14	0.0001	0.0001	0.0001	0.0001
15	0.0001	0.0001	0.0001	0.0001
16	0.0001	0.0001	0.0001	0.0001
17	0.0001	0.0001	0.0001	0.0001
18	0.0001	0.0001	0.0001	0.0001
19	0.0001	0.0001	0.0001	0.0001
20	0.0001	0.0001	0.0001	0.0001
21	0.0001	0.0001	0.0001	0.0001
22	0.0001	0.0001	0.0001	0.0001
max	0.0001	0.0001	0.0001	0.0001
min	0.0001	0.0001	0.0001	0.0001
AVERAGE	0.0001	0.0001	0.0001	0.0001

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Room Temperature Life(RTOL)
CONDITION: 25℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-1									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	418.40	416.85	-1.55	-0.37%	420.73	2.33	0.56%	396.73	-21.68	-5.18%
2	420.54	417.39	-3.16	-0.75%	421.49	0.95	0.22%	397.50	-23.04	-5.48%
3	389.52	404.45	14.94	3.83%	405.36	15.84	4.07%	382.21	-7.31	-1.88%
4	422.98	419.75	-3.23	-0.76%	423.49	0.51	0.12%	397.67	-25.30	-5.98%
5	417.92	415.09	-2.83	-0.68%	419.10	1.18	0.28%	393.69	-24.23	-5.80%
6	401.78	400.32	-1.46	-0.36%	403.41	1.62	0.40%	377.66	-24.12	-6.00%
7	426.31	423.61	-2.69	-0.63%	428.96	2.65	0.62%	401.82	-24.49	-5.74%
8	426.91	425.13	-1.77	-0.41%	429.70	2.80	0.66%	402.51	-24.40	-5.71%
9	417.36	415.20	-2.15	-0.52%	420.24	2.88	0.69%	394.29	-23.06	-5.53%
10	422.00	421.83	-0.17	-0.04%	426.41	4.41	1.04%	401.51	-20.50	-4.86%
11	421.40	419.84	-1.55	-0.37%	423.53	2.13	0.51%	397.01	-24.38	-5.79%
12	408.60	406.05	-2.55	-0.62%	409.26	0.66	0.16%	383.04	-25.56	-6.26%
13	408.66	406.90	-1.76	-0.43%	411.43	2.77	0.68%	383.36	-25.30	-6.19%
14	403.30	403.43	0.12	0.03%	406.06	2.76	0.68%	379.98	-23.33	-5.78%
15	422.15	421.12	-1.03	-0.24%	421.97	-0.18	-0.04%	397.15	-25.00	-5.92%
16	417.60	415.56	-2.04	-0.49%	419.01	1.41	0.34%	398.97	-18.63	-4.46%
17	436.04	415.68	-20.36	-4.67%	420.46	-15.58	-3.57%	394.54	-41.50	-9.52%
18	413.27	411.42	-1.85	-0.45%	415.42	2.15	0.52%	389.34	-23.93	-5.79%
19	411.24	407.82	-3.43	-0.83%	411.06	-0.19	-0.05%	384.71	-26.54	-6.45%
20	419.95	418.19	-1.76	-0.42%	420.50	0.55	0.13%	393.88	-26.07	-6.21%
21	418.45	415.78	-2.68	-0.64%	418.53	0.07	0.02%	392.59	-25.87	-6.18%
22	417.97	414.96	-3.02	-0.72%	417.94	-0.04	-0.01%	388.34	-29.64	-7.09%
max	436.04	425.13	14.94	3.83%	429.70	15.84	4.07%	402.51	-7.31	-1.88%
min	389.52	400.32	-20.36	-4.67%	403.41	-15.58	-3.57%	377.66	-41.50	-9.52%
AVERAGE	416.47	414.38	-2.09	-0.48%	417.91	1.44	0.37%	392.20	-24.27	-5.81%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Room Temperature Life(RTOL)
CONDITION: 25℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V									
DEVICE HOURS	Ic(on) (mA)-2									
NO.	0Hr	168Hr	△	△%	500Hr	△	△%	1000Hr	△	△%
1	433.59	431.34	-2.25	-0.52%	434.10	0.51	0.12%	404.52	-29.07	-6.70%
2	437.86	435.84	-2.02	-0.46%	438.50	0.64	0.15%	408.86	-29.00	-6.62%
3	403.42	421.84	18.42	4.57%	425.22	21.80	5.40%	397.12	-6.30	-1.56%
4	426.47	423.00	-3.47	-0.81%	427.39	0.92	0.22%	401.43	-25.04	-5.87%
5	428.28	426.60	-1.68	-0.39%	429.83	1.55	0.36%	402.85	-25.43	-5.94%
6	416.58	417.35	0.77	0.18%	420.13	3.55	0.85%	391.77	-24.81	-5.96%
7	438.48	437.46	-1.02	-0.23%	439.97	1.49	0.34%	412.77	-25.71	-5.86%
8	432.25	430.21	-2.04	-0.47%	432.57	0.32	0.07%	405.54	-26.71	-6.18%
9	434.07	431.82	-2.25	-0.52%	434.59	0.52	0.12%	403.12	-30.95	-7.13%
10	438.81	438.21	-0.60	-0.14%	442.49	3.68	0.84%	411.77	-27.04	-6.16%
11	433.89	430.89	-3.00	-0.69%	433.04	-0.85	-0.20%	402.15	-31.74	-7.32%
12	421.34	418.85	-2.49	-0.59%	423.21	1.87	0.44%	389.25	-32.09	-7.62%
13	421.55	421.95	0.40	0.09%	425.32	3.77	0.89%	392.37	-29.18	-6.92%
14	413.63	413.13	-0.50	-0.12%	415.92	2.29	0.55%	385.37	-28.26	-6.83%
15	437.84	435.71	-2.13	-0.49%	438.09	0.25	0.06%	404.68	-33.16	-7.57%
16	436.69	436.33	-0.36	-0.08%	437.70	1.01	0.23%	406.57	-30.12	-6.90%
17	456.41	439.11	-17.30	-3.79%	442.02	-14.39	-3.15%	410.17	-46.24	-10.13%
18	436.23	434.53	-1.70	-0.39%	436.66	0.43	0.10%	406.74	-29.49	-6.76%
19	437.96	436.56	-1.40	-0.32%	438.93	0.97	0.22%	405.89	-32.07	-7.32%
20	439.35	437.09	-2.26	-0.51%	440.89	1.54	0.35%	407.39	-31.96	-7.27%
21	435.77	435.35	-0.42	-0.10%	437.46	1.69	0.39%	404.07	-31.70	-7.27%
22	441.62	439.12	-2.50	-0.57%	442.21	0.59	0.13%	408.09	-33.53	-7.59%
max	456.41	439.12	18.42	4.57%	442.49	21.80	5.40%	412.77	-6.30	-1.56%
min	403.42	413.13	-17.30	-3.79%	415.92	-14.39	-3.15%	385.37	-46.24	-10.13%
AVERAGE	431.91	430.56	-1.35	-0.29%	433.47	1.55	0.39%	402.84	-29.07	-6.70%

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Room Temperature Life(RTOL)
CONDITION: 25℃ V_{CE}=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/7/10

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 22
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=0mW/cm2 VCE=20V			
DEVICE HOURS	Iceo (uA)			
NO.	0Hr	168Hr	500Hr	1000Hr
1	0.0001	0.0001	0.0001	0.0001
2	0.0001	0.0001	0.0001	0.0001
3	0.0001	0.0001	0.0001	0.0001
4	0.0001	0.0001	0.0001	0.0001
5	0.0001	0.0001	0.0001	0.0001
6	0.0001	0.0001	0.0001	0.0001
7	0.0001	0.0001	0.0001	0.0001
8	0.0001	0.0001	0.0001	0.0001
9	0.0001	0.0001	0.0001	0.0001
10	0.0001	0.0001	0.0001	0.0001
11	0.0001	0.0001	0.0001	0.0001
12	0.0001	0.0001	0.0001	0.0001
13	0.0001	0.0001	0.0001	0.0001
14	0.0001	0.0001	0.0001	0.0001
15	0.0001	0.0001	0.0001	0.0001
16	0.0001	0.0001	0.0001	0.0001
17	0.0001	0.0001	0.0001	0.0001
18	0.0001	0.0001	0.0001	0.0001
19	0.0001	0.0001	0.0001	0.0001
20	0.0001	0.0001	0.0001	0.0001
21	0.0001	0.0001	0.0001	0.0001
22	0.0001	0.0001	0.0001	0.0001
max	0.0001	0.0001	0.0001	0.0001
min	0.0001	0.0001	0.0001	0.0001
AVERAGE	0.0001	0.0001	0.0001	0.0001

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

RELIABILITY TEST REPORT

TEST ITEM: Temperature Cycle(TC)
CONDITION: -40℃~100℃, 14Cycle VCE=5V
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/5/28

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 11
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V				Ee=1mW/cm2 VCE=5V				Ee=0mW/cm2 VCE=20V		
DEVICE HOURS	Ic(on) (mA)-1				Ic(on) (mA)-2				Iceo (uA)		
NO.	0Cycle	50Cycle	△	△%	0Cycle	50Cycle	△	△%	NO.	0Cycle	50Cycle
1	419.39	416.94	-2.45	-0.58%	428.09	424.27	-3.82	-0.89%	1	0.0001	0.0001
2	397.33	397.43	0.10	0.02%	426.10	424.46	-1.64	-0.38%	2	0.0001	0.0001
3	403.44	400.10	-3.34	-0.83%	415.87	417.93	2.06	0.50%	3	0.0001	0.0001
4	403.84	405.84	2.00	0.50%	421.07	419.98	-1.09	-0.26%	4	0.0001	0.0001
5	412.76	412.33	-0.43	-0.10%	434.96	433.05	-1.91	-0.44%	5	0.0001	0.0001
6	422.50	420.11	-2.39	-0.57%	439.61	438.49	-1.12	-0.25%	6	0.0001	0.0001
7	423.36	422.63	-0.73	-0.17%	432.95	436.44	3.49	0.81%	7	0.0001	0.0001
8	408.04	406.37	-1.67	-0.41%	424.13	423.43	-0.70	-0.17%	8	0.0001	0.0001
9	419.94	420.32	0.38	0.09%	439.09	438.99	-0.10	-0.02%	9	0.0001	0.0001
10	415.25	415.51	0.27	0.06%	433.86	435.62	1.76	0.41%	10	0.0001	0.0001
11	403.48	402.89	-0.58	-0.14%	426.22	425.26	-0.96	-0.23%	11	0.0001	0.0001
max	423.36	422.63	2.00	0.50%	439.61	438.99	3.49	0.81%	max	0.0001	0.0001
min	397.33	397.43	-3.34	-0.83%	415.87	417.93	-3.82	-0.89%	min	0.0001	0.0001
AVERAGE	411.76	410.95	-0.80	-0.19%	429.27	428.90	-0.37	-0.09%	AVERAGE	0.0001	0.0001

EVERLIGHT ELECTRONICS(CHINA) CO.,LTD.

EVERLIGHT
RELIABILITY REPORT
ONLY FOR THIS BATCH

RELIABILITY TEST REPORT

TEST ITEM: High Temperature Life(HTOL)
CONDITION: 85℃ VCE=5V 14Hr
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/5/28

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 11
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V				Ee=1mW/cm2 VCE=5V				Ee=0mW/cm2 VCE=20V		
DEVICE HOURS	Ic(on) (mA)-1				Ic(on) (mA)-2				Iceo (uA)		
NO.	0Hr	14Hr	△	△%	0Hr	14Hr	△	△%	NO.	0Hr	14Hr
1	410.74	404.82	-5.91	-1.44%	425.97	425.51	-0.46	-0.11%	1	0.0001	0.0001
2	400.33	402.14	1.82	0.45%	394.20	396.00	1.80	0.46%	2	0.0001	0.0001
3	420.24	415.08	-5.16	-1.23%	438.24	435.59	-2.65	-0.60%	3	0.0001	0.0001
4	407.86	405.34	-2.52	-0.62%	422.05	420.62	-1.43	-0.34%	4	0.0001	0.0001
5	419.44	414.00	-5.44	-1.30%	426.95	423.87	-3.08	-0.72%	5	0.0001	0.0001
6	423.60	421.04	-2.56	-0.60%	437.45	433.21	-4.24	-0.97%	6	0.0001	0.0001
7	421.06	416.47	-4.59	-1.09%	439.09	435.14	-3.95	-0.90%	7	0.0001	0.0001
8	413.63	409.01	-4.62	-1.12%	434.42	429.05	-5.37	-1.24%	8	0.0001	0.0001
9	413.62	408.98	-4.64	-1.12%	433.37	428.57	-4.80	-1.11%	9	0.0001	0.0001
10	403.25	398.96	-4.29	-1.06%	426.91	422.43	-4.48	-1.05%	10	0.0001	0.0001
11	408.27	405.09	-3.18	-0.78%	435.44	431.69	-3.75	-0.86%	11	0.0001	0.0001
max	423.60	421.04	1.82	0.45%	439.09	435.59	1.80	0.46%	max	0.0001	0.0001
min	400.33	398.96	-5.91	-1.44%	394.20	396.00	-5.37	-1.24%	min	0.0001	0.0001
AVERAGE	412.91	409.18	-3.74	-0.90%	428.55	425.61	-2.95	-0.68%	AVERAGE	0.0001	0.0001

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RELIABILITY REPORT
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RELIABILITY TEST REPORT

TEST ITEM: Low Temperature Life(LTOL)
CONDITION: -40℃ VCE=5V 14Hr
TESTER: 楊曉麗
TEST DATE: 2026/5/27-2026/5/28

PRODUCT: PT2559B/L2/H2
CUSTOMER: 鄧欽鈐
Q'TY: 11
TEST NO: 准-26-05-PT2CP-0208-SZ

TEST ITEM	Ee=1mW/cm2 VCE=5V				Ee=1mW/cm2 VCE=5V				Ee=0mW/cm2 VCE=20V		
DEVICE HOURS	Ic(on) (mA)-1				Ic(on) (mA)-2				Iceo (uA)		
NO.	0Hr	14Hr	△	△%	0Hr	14Hr	△	△%	NO.	0Hr	14Hr
1	413.57	389.07	-24.49	-5.92%	426.13	410.58	-15.55	-3.65%	1	0.0001	0.0001
2	394.99	402.86	7.86	1.99%	412.80	419.78	6.98	1.69%	2	0.0001	0.0001
3	405.06	410.18	5.12	1.26%	424.87	429.14	4.27	1.01%	3	0.0001	0.0001
4	416.48	414.95	-1.53	-0.37%	435.69	426.77	-8.92	-2.05%	4	0.0001	0.0001
5	416.17	416.57	0.40	0.10%	430.94	435.59	4.65	1.08%	5	0.0001	0.0001
6	419.79	407.13	-12.67	-3.02%	436.91	425.22	-11.69	-2.68%	6	0.0001	0.0001
7	413.70	416.53	2.83	0.68%	433.71	430.66	-3.05	-0.70%	7	0.0001	0.0001
8	403.56	423.42	19.85	4.92%	435.29	422.79	-12.50	-2.87%	8	0.0001	0.0001
9	428.27	398.39	-29.89	-6.98%	429.51	410.08	-19.43	-4.52%	9	0.0001	0.0001
10	404.12	410.60	6.47	1.60%	415.00	432.77	17.77	4.28%	10	0.0001	0.0001
11	413.15	433.89	20.74	5.02%	432.60	453.38	20.78	4.80%	11	0.0001	0.0001
max	428.27	433.89	20.74	5.02%	436.91	453.38	20.78	4.80%	max	0.0001	0.0001
min	394.99	389.07	-29.89	-6.98%	412.80	410.08	-19.43	-4.52%	min	0.0001	0.0001
AVERAGE	411.72	411.23	-0.48	-0.06%	428.50	426.98	-1.52	-0.33%	AVERAGE	0.0001	0.0001

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